VOL. 2 MAY, 1938 NO. 2

BULLETIN OF
THE CITADEL
THE MILITARY COLLEGE OF SOUTH CAROLINA

FOUNDED 1842

CATALOGUE ISSUE
1938-1939

CHARLESTON, S. C.

Published four times a year in April, May, July, and November by The Citadel. Entered as second class matter January 19, 1937, at the post office at Charleston, S. C., under the Act of August 24, 1912.

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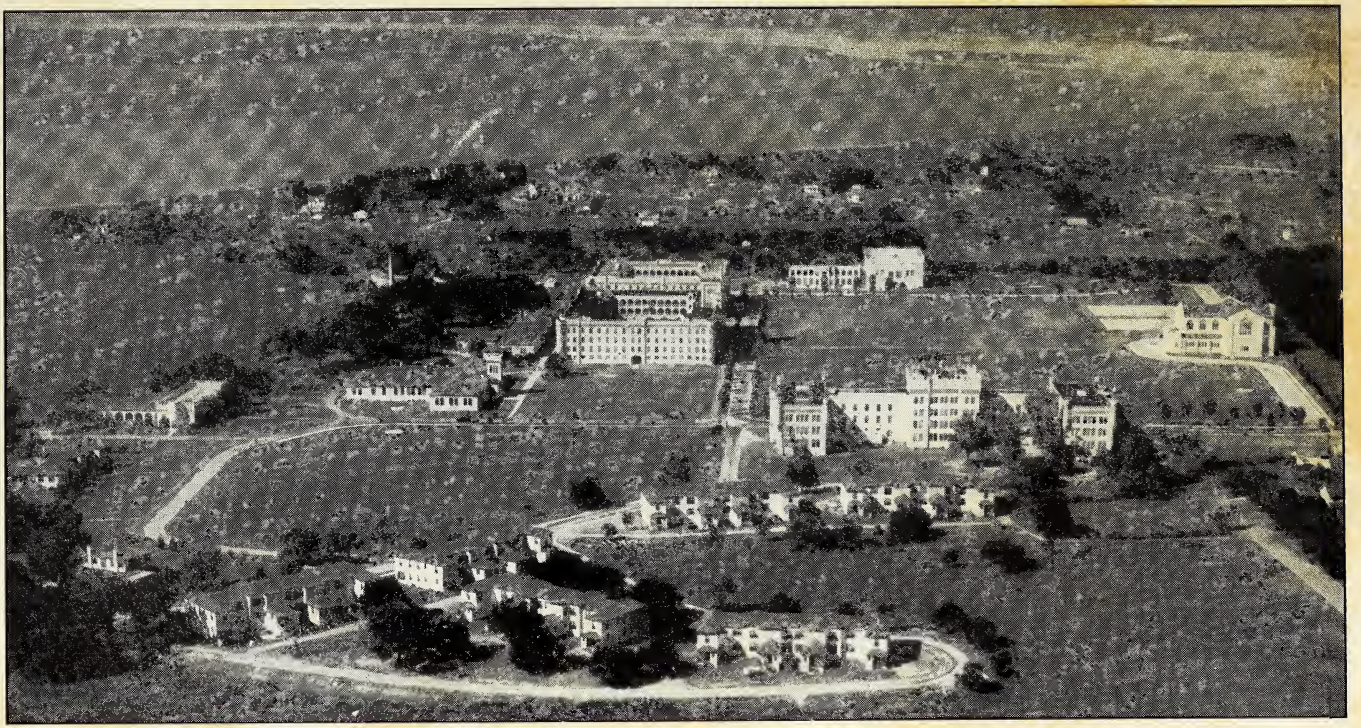
"I *call, therefore, a complete and generous education that which fits a man to perform justly, skillfully, and magnanimously all the offices, both private and public, of peace and war.*"—MILTON.



General View of Campus

THE PURPOSE OF MILITARY TRAINING AT THE CITADEL

THE CITADEL is a military college, but its chief concern is to prepare men for civil life. Because of the military record of Citadel graduates, there has grown up an erroneous impression that the institution exists to prepare men for war. The college is justly proud of the war records of its sons, and it will always expect them to respond in national emergencies, but its chief purpose is to prepare men for civil pursuits by giving them a sound education reinforced by the best features of military training.

Military training teaches the value of system and order in approaching tasks, of physical and mental fitness, and of alertness and self-confidence. It teaches how to command and how to obey, how to organize and coordinate, and how to maintain morale and discipline. Most important of all, it instills the conviction that any sacrifice must be made when principle is involved and that truth, honor, and integrity are the basis of character. Such virtues woven into the lives of men will produce results for good irrespective of the field in which they are applied.

A civic leader, no less than a military commander, must be prepared to meet difficult or hazardous situations courageously and effectively, to make decisions and enforce them, to lead when it is his duty to lead, and to follow when it is his duty to follow, and to inspire confidence through his resourcefulness, honesty, and courage. Such qualities The Citadel attempts to develop in its cadets.

The training is not given at the expense of academic education. On the contrary, the aim is to make academic training more complete and effective through development of soldierly virtues. Graduates in many vocations and in many parts of the world attest the value of the rigorous regimen of classroom, barracks, and drill field.

Many desirable characteristics do not grow out of scholarship alone; traditions and codes may more profoundly influence college men than the most scholarly lectures. For this reason, to its academic training, which it assiduously seeks to make vital, The Citadel adds the code of the cadet and gentleman. The visible symbol of this is the proudly worn uniform, a constant reminder that Alma Mater expects of every son the poise and culture of a student, the public spirit and unselfishness of an enlightened citizen, the courage and loyalty of a soldier, and the honor and bearing of a gentleman.

CALENDAR 1938-1939

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1939

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COLLEGE CALENDAR FOR 1938-1939

1938

September 5, Monday—Freshman Week begins. Barracks open to receive new cadets 10:00 A. M. Registration of freshmen. Assembly for all entering freshmen 8:00 P. M. in Alumni Hall.

September 6-9—Freshman orientation and testing program.

September 8-10—Examinations for removal of conditions.

September 10, Saturday, 10:00 A. M.—College year begins. Registration and enrollment of old cadets.

September 12, Monday—Classes begin.

November 11, Friday—Armistice Day; a holiday.

November 23, Wednesday, 1:00 P. M.—Thanksgiving furlough begins.

November 27, Sunday—Thanksgiving furlough ends at 6:00 P.M.

December 22, Thursday, 1:00 P. M.—Christmas furlough begins.

1939

January 4, Wednesday, 6:00 P. M.—Christmas furlough ends.

January 20-28—First semester examinations.

January 30, Monday, 8:00 A. M.—Second semester begins.

February 22, Wednesday—Washington's Birthday; a holiday.

March 25, Saturday, 1:00 P. M.—Spring recess begins.

April 2, Sunday, 6:00 P. M.—Spring recess ends.

May 25-June 1—Second semester examinations.

June 3, Saturday—Commencement.

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Second Lieutenant L. H. Vereen—*Assistant Commandant*
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Miss Erna Rugheimer—*Secretary to the Director of Cadet Affairs*
Mrs. R. H. Reynolds—*Secretary to the Placement Committee*

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Associate Professor of Mathematics

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Associate Professor of Modern Languages

*On leave of absence, second semester, 1937-1938.

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Assistant Professor of Mathematics

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Assistant Professor of English

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*On leave of absence, 1937-1938.

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Assistant Professor of Mathematics

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*On leave of absence, 1937-1938.
†Resigned, February, 1938.

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Instructor in Modern Languages

KARL VERNON TAYLOR, B.C.E., M.S.
Instructor in Civil Engineering

MARION LEE CLOUGH, B.A., M.A.
Instructor in Business Administration

**Resigned, April 12, 1938.
*Title of instructor indicates temporary appointment.

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SHAKO: CAPTAIN ACHURCH, *Chairman.*

SPHINX: MAJOR WILES, *Chairman.*

HISTORICAL SKETCH

THE Citadel, with its present spacious campus on the banks of the Ashley River and its student body of nearly one thousand cadets in 1937-1938, has a history fraught with significance and interest.

Previous to the year 1842, the state of South Carolina had two depositories for its arms and munitions of war—one known as The Citadel, in the city of Charleston; the other known as The Arsenal, in the city of Columbia. These were guarded by companies of enlisted men and trained officers, and were maintained at an expense of twenty-four thousand dollars a year.

It was Governor Richardson who made the suggestion that these garrisons be replaced by young men, who, while serving as guards, should receive military training, and instruction in the practical and mechanical arts. Under the administration of his successor, Governor Hammond, an act of the legislature was passed on December 20, 1842, creating The Citadel and Arsenal Academies.

The board appointed by the governor to carry out the purpose of the act lost no time in performing its duty, and the faculty of The Citadel was elected on February 23 following. By March 20 both The Citadel and The Arsenal were in operation.

In arranging the course of studies for The Citadel, the report of the board to the General Assembly says:

"The Board has aimed at a system of education at once scientific and practical, which, if their original design is carried out, will eminently qualify the cadets there taught for almost any station and condition of life.

"During the course, besides the usual branches taught at the primary schools in the State, they will be instructed in the history of South Carolina, modern history, the French language, every department of mathematics,

bookkeeping, rhetoric, moral philosophy, architectural and topographical drawing, natural philosophy, chemistry, geology, mineralogy, botany, civil and military engineering, the constitutional law of the United States, and the law of nations. In addition to that course, they will be instructed in the duties of the soldier, the school of the company and the battalion, the science of war, the evolution of the line, and the duties of the commissioned officers."

The Arsenal, at first co-equal with The Citadel, was soon incorporated with it.

In 1846 the first class, numbering six men, was graduated from The Citadel. C. C. Tew, the first-honor man of his class, and proto-graduate of the institution, afterwards founded the Hillsboro Military Academy, North Carolina, was Colonel of North Carolina troops in the Confederate Army, and was killed at Sharpsburg, September, 1862, while commanding Anderson's brigade.

The value to the State of the military training at The Citadel is strikingly shown by the fact that, of the two hundred and forty graduates before the close of the War between the States, about two hundred were officers in the Confederate service, and forty-three laid down their lives upon the battlefield. The list of Citadel officers in that great conflict is an honor roll of which any institution might well be proud.

There are two dates in the history of the State military academies which mark the boundaries of this great military struggle of the last century. Between January 9, 1861, and May 9, 1865, what tragic history was enacted! On the former date, Major P. F. Stevens, Superintendent, and a graduate of The Citadel, in command of a detachment of Citadel cadets manning a battery of 24-pounders on Morris Island drove off the steamer, *Star of the West,* which was attempting the relief of Fort Sumter—thus firing the first hostile shot of the war. On the latter

date, Captain J. P. Thomas, Superintendent of The Arsenal, and also a graduate of The Citadel, with the Arsenal cadets at his command, had a skirmish with Stoneman's raiders, near Williamston, S. C., thus firing the last shot of the war discharged by any organized body of Confederate troops east of the Mississippi.

At the present time, the corps of cadets has an annual drill for the *Star of the West* medal, a handsome trophy for the best drilled cadet of the corps, presented to the institution many years ago by Dr. B. H. Teague, a veteran of the war. This medal gets its name from a piece of oak wood, in the form of a star, taken from the historic vessel.

At the fall of Charleston in February, 1865, The Citadel was occupied by Federal troops. The corps of cadets was at that time in the field and never returned to the institution, which, in spite of the best efforts of the State to recover it, continued in the hands of the United States military authorities until 1881.

In that year Governor Hagood said in his annual message to the General Assembly:

"The State Military Academy at Charleston has been suspended in its operations since the late civil war. This has been due to the fact that the building known as The Citadel, in which it has its seat, has been since the close of the War in the possession of the United States authorities, and has been used by them until recently as a military post.

"It is understood that the General Government is now prepared to restore it to the custody of the State. It is desirable that this property be recovered and again devoted to the purpose of higher education, in the facilities for which our needs are greater than the source of supply.

"A measure will probably be submitted to you at this session to accomplish this purpose and you will permit me to say that, in my judgment, it is now practicable to

reopen the school, and it ought to be done."

An act to authorize the reopening of the South Carolina Military Academy was passed by the General Assembly, and approved January 31, 1882. The Citadel was reopened on October 1, 1882, with 189 cadets, and has been in continuous and successful operation ever since.

In 1910 the legislature fixed the title of the institution as The Citadel, The Military College of South Carolina.

In 1918 the city of Charleston offered the State a superb tract of nearly 200 acres of land adjacent to Hampton Park and beautifully situated on the banks of the Ashley River, for the erection of a Greater Citadel. The legislature accepted the offer and in 1919 and 1920 made appropriations for the necessary buildings.

On September 20, 1922, the college opened in its commodious new quarters, which had been provided at a cost of more than a million dollars. Moreover, since that date numerous improvements and additions have been made. A new dormitory was constructed (1926) to accommodate 350 additional cadets. This building is called Andrew B. Murray Barracks, in honor of the citizen of Charleston who generously contributed half the cost of its construction. The classroom, library, and laboratory facilities have been greatly increased by the completion of the academic building (1931), which has been named Bond Hall in honor of the late Colonel O. J. Bond, whose connection with The Citadel as student, professor, president, and dean extended over a period of fifty years.

The Mary Bennett Murray Hospital, erected at a cost of sixty thousand dollars by the late Andrew B. Murray, a public-spirited citizen of Charleston, was presented to the college in 1923. It is one of the most complete and well-equipped infirmaries in the South. In this year, also, the Alumni Hall was erected with a fund of fifty

thousand dollars subscribed by graduates and former cadets.

In 1927 two faculty houses were constructed on the campus, one for the president and the other, containing four apartments, for administrative officers and professors. Another building, of duplex type, was constructed in 1931 to provide quarters for two other professors. During 1937 a major building program was completed, consisting of a stately cadet chapel with a capacity of fourteen hundred; a new messhall to seat one thousand; six apartment houses of four apartments each, to provide quarters for twenty-four members of the faculty; and an engineering building, in which all activities of that department are housed.

There is now authorized and under construction a second major building program, which will provide a new barracks building similar to Murray Barracks, and located south of Padgett-Thomas Barracks; an administration building, constructed as an east wing to Alumni Hall; an annex to Bond Hall to provide additional space for classrooms, laboratories, and the library; and an annex to the hospital.

GROUNDS AND BUILDINGS

The Citadel is located on a seventy-eight acre campus in the northwestern section of the city of Charleston. On the west lies a wide expanse of grass-covered marsh and the Ashley River; on the north, one of the better residential sections of the city; on the south, another wide tidal marsh, across which the river and the lower sections of the city are visible in the distance; and on the east, and adjoining the campus, is Hampton Park, one of the famed beauty spots of the Low Country. Thus located, the college has all of the advantages of proximity to the city combined with the quiet and beauty of a rural location. The view to the west across the marshes and river is one of rare and changing aspect; and the park to the east, with its wealth of bloom and foliage, gives to the campus an approach of surpassing beauty. The campus itself, with its winding roads, stately live oaks, impressive buildings, and pleasing vistas across green lawns, bordered by flowering yards, is a fit habitation for the college and in complete harmony with its high ideals and purposes.

The buildings on the campus, both in design and location, follow the carefully prepared plan made by a firm of distinguished architects long before ground was broken. The general style of the architecture is Spanish-Moorish, with suitable adaptations to local conditions. During the past two years many important structures have been added to the campus, and another major group of buildings is now under construction. With the completion of this, there will be on the west side of the large drill field three imposing barracks buildings, the total capacity of which will be approximately 1400. The barracks are rectangular in shape and have large, paved interior courts which are enclosed by galleries.

The rooms are designed to accommodate two cadets

each. These buildings are the living quarters of cadets, and all college activities not in keeping with the community life of the buildings are carried on in other structures. The buildings are so arranged that there is no fire hazard to occupants. Every room has running water and I. E. S. lamps.

To the south of the drill field and facing north, rises the imposing facade of Bond Hall, in which building are housed most of the academic departments, the administrative headquarters of the college, and the library. There is now under construction a large annex to the rear of this building, which will provide much extra space for an enlarged library and many new classrooms, laboratories, and offices. On the north of the drill field and facing south lies Alumni Hall, in which are centered athletic and recreational activities. A large hall on the second floor of this building is used for indoor sports and for the college dances and social functions. To the west of Alumni Hall is the recently occupied Engineering Hall, in which is housed the department of Civil Engineering. Contracts have been let for another building to be located east of Alumni Hall and facing south. In this structure will be grouped all of the administrative offices, cadet service activities, reception rooms for visitors, headquarters for faculty and cadet publications, and an assembly room which will be equipped with a stage, dressing rooms, and facilities for showing pictures.

On the east of the campus, outlined against the rich foliage of Hampton Park and facing the central barracks across the short dimension of the drill field, stands the new Cadet Chapel, perhaps the most distinguished building on the campus. Cruciform in shape and severe in its exterior lines, this building conforms in the crenelated parapets of its entrance to the prevailing architectural style of the campus; but above this the lines and details of the building become distinctly ecclesiastical in character, thus giving visible evidence of the purpose of the

structure. The interior is extraordinarily striking in form, arrangement, and quality of material used. All trim is of Indiana limestone; the aisles are paved with the richly-colored Crab Orchard sandstone; and the chancel, with colored Tennessee marble. All woodwork, including pews, wainscots, chancel furniture, and the exposed wood trusses and panelled ceiling, is finished in oak-brown. The cathedral-like proportions and the impressive churchly atmosphere of the structure are greatly enhanced by the pipe organ. This instrument has been acclaimed by many organists to be of the highest quality. It is the desire of the college authorities to make this structure the focal point of the spiritual life of the institution and a constant reminder of the ideals and traditions of the institution. In furtherance of this, many of the windows now carry handsome stained glass memorials to Citadel men, and others are being added. The great window over the chancel is being reserved for a memorial to all Citadel men who have given their lives in the military service; the small aisle windows are reserved as class memorials, the stained glass figures to represent episodes in the life of Christ. Many of these have already been installed, and the others will be added from time to time. An attendant is present in the Chapel every day to receive visitors, and thousands have already signed the visitors' book.

Immediately to the rear of the main barracks buildings is a framed structure that houses many cadet services, such as post-office, barber shop, canteen, recreation halls, tailor shop, and print shop. On completion of the new administration building, these activities will be transferred thereto, and this old building converted for storage purposes. South of this building and in rear of the site for the new barracks building is located the new mess hall. Completed in 1937, this structure will seat 1000, and is fully equipped with facilities for storing, preparing, and serving food in the best possible manner. Equipment includes a bakery, cold-storage plant, ice-making

plant, circulating cold water equipment, ice-cream plant, gas ranges, gas bread toasters, dish-washing machines, and forced draft ventilation equipment. The large dining room has a terrazzo floor and glazed brick wainscot, thus making it easy to maintain cleanliness.

Near the mess-hall and on the west edge of the campus lies the Mary Bennett Murray Hospital. This hospital conforms to the most modern standards and affords complete facilities for treating all ordinary cases of sickness. It is presided over by the college surgeon and by a head nurse and her assistant. In order to provide the additional facilities now needed because of the increased size of the student body, an annex is being built.

The laundry, heating plant, carpenter and machine shops, artillery garages, swimming pool and purification plant therefor, are located in the northwest corner of the campus, where they are well screened from general view. The laundry is equipped to handle all cadet work. Nearly all buildings on the campus are heated from the central heating plant. Electricity, water, gas, sewage, drainage lines, and steam lines serve all buildings, including officers' quarters.

The southern area of the campus is given over to officers' quarters, nine houses, with a total of thirty-one apartments, now being occupied. These include the president's house, a duplex house, and seven four-family apartments. The remaining members of the faculty and staff live at the Old Citadel.

All of the main roads of the campus are paved, and the buildings are connected by concrete sidewalks. In the past few months, hundreds of trees and shrubs have been added to the grounds.

On the extreme north end of the campus is located the cadet athletic field. This includes space for a football field, a quarter-mile running track, with a 100-yard straightaway, and ample space for other field sports. There are six tennis courts and a nine-hole golf course on the campus.

REQUIREMENTS FOR ADMISSION

Applicants for admission to The Citadel must be not less than sixteen nor more than twenty-one years of age. They must be at least five feet in height and physically able to do military duty. See statement about physical examinations under heading "General Information." A certificate of vaccination is required.

Formal application for admission must be submitted by parent or guardian on the blank provided with this catalogue and should be mailed to the registrar not later than September 1.

New cadets are not admitted except at the opening of the session in September.

The requirements for admission to the freshman class are those prescribed by the Association of Colleges and Secondary Schools of the Southern States, of which The Citadel is a member. The standards of the association require "the satisfactory completion of a four-year course of not less than fifteen units in a secondary school approved by a recognized accrediting agency, or in a secondary school that is a member of this Association, or the equivalent of such a course as shown by examination."

In accordance with the above, applicants are admitted to The Citadel either by certificate or by examination. Certificates are accepted only from accredited schools, and should be submitted directly to the college by the principal or superintendent of such school.

The required fifteen units must include:

1. Three units of English.
2. Three or more units as a principal sequence selected from one of the following groups:
   (a) A classical language.
   (b) A modern language other than English.
   (c) Social Science (history, civics, economics,

problems of democracy, sociology, geography, general business science, and commercial law.)

(d) Mathematics.

(e) Natural Science (physics, chemistry, botany, zoology, general biology, general science, physiology, physiography.)

3. Two or more units as a secondary sequence selected from a second group listed under 2.
4. Two units or less in subjects selected from any of the groups listed under 2.
   (Total 10 units in English and groups a-e.)
5. Five units selected from any of the secondary-school subjects accepted by an approved school for its diploma.

Mathematics must be selected as either a principal or a secondary sequence and must include one and one-half or two units of algebra and one unit of plane geometry.

One unit of history must be included as a part of a social science sequence or else as one of the five free electives.

Examinations for Admission

Examinations for admission to the freshman class will be held at The Citadel on September 6, 7, and 8. Permission to stand these examinations must be secured from the registrar before September 1.

Advanced Standing

The courses of study at The Citadel are outlined on pages 49 through 64, and no student will be accepted as a candidate for a diploma who has not had this work, or its equivalent. It is therefore recommended that reference be made to the requirements for the freshman and sophomore years before application is made for advanced standing. An applicant for advanced standing must present an honorable discharge from the college previously

attended, together with a transcript of his college record and entrance credits. It is also advisable to submit a copy of the college catalogue, in which the applicant has marked the courses which he has taken.

An applicant who has had military training and who desires advanced standing in Military Science and Tactics courses must present the necessary credentials in conformity with War Department requirements.

THE CITADEL CODE

To revere God, love my country and be loyal to The Citadel.

To be truthful, honest and sincere in every act and purpose and to know that honorable failure is better than success by unfairness or cheating.

To perform every duty with fidelity and conscientiousness and to make DUTY my watchword.

To obey all orders and regulations of The Citadel and of proper authority.

To refrain from intoxicants, narcotics, licentiousness, profanity, vulgarity, disorder and anything that might subject me to reproach or censure within or without the college.

To be diligent in my academic studies and in my military training.

To maintain my self-respect and self-control and to respect others.

To do nothing inconsistent with my status as a cadet and gentleman.

To take pride in my uniform and in the noble traditions of the college and never do anything that would bring discredit upon them.

To be courteous and gentlemanly in my deportment, bearing and speech and to exhibit good manners on all occasions.

To cultivate dignity, poise, affability and a quiet and firm demeanor.

To make friends with refined, cultivated and intellectual people.

To improve my mind by reading and participation in intellectual and cultural activities.

To keep my body healthy and strong by physical exercises and participation in manly sports.

To be generous and helpful to others and to endeavor to restrain them from wrong doing.

To face difficulties with courage and fortitude and not to complain or be discouraged.

To be worthy of the sacrifices of my parents, the generosity of the state and the efforts of all who teach and all who administer the college in order that I might receive an education and to recognize my obligation to them.

To make the college better by reason of my being a cadet.

To resolve to carry its standards into my future career and to place right above gain and a reputation for integrity above power.

To remember always that the honor of being a "Citadel Man" imposes upon me a corresponding obligation to live up to this code.

* * * *

The foregoing CODE is earnestly commended to all cadets as an interpretation of the ideals of The Citadel.

C. P. Summerall,
President.

South Gate Entrance

EXPENSES

Since The Citadel is a state institution, it is not operated for profit. The State of South Carolina bears more than half the actual cost of maintaining a cadet; the fees are, therefore, exceptionally low.

Registration and Tuition

The registration fee is $5.00, payable when a cadet is enrolled, and not returnable. The tuition fee is $60.00 for South Carolina cadets and $150.00 for out-of-state cadets.

Maintenance

The charge for board is $189.00; for room, heat, light, water, laundry, and hospital, $72.00. There is a breakage fee, not returnable, of $4.00.

In case of a further rise in operating costs, it will become necessary to increase fees to meet the actual minimum expenses.

Uniforms

As all cadets are required to be in uniform, which will be issued at the college, new students need not come with any supply of civilian clothing other than the suits they wear. It is advisable to bring inexpensive trunks or suit cases.

The cost of uniforms and other clothing varies among students, and from year to year. Cadets should always have a deposit for clothing to their credit, no clothes being issued otherwise. The uniforms should last two or more years if cadets are careful, and the cost of clothing after the first year should be small. The average cost for the four years should not be more than for suitable civilian clothing.

A deposit of $10.00 for uniform is payable when the cadet is enrolled. For a new cadet requiring a complete outfit other payments are as follows: September 10, $50.00; November 20, $50.00; February 1, $45.00. Overcoats and white uniforms are optional and their costs not included in the foregoing deposits. Many new cadets buy used overcoats, thus saving a part of this expense. All purchases of used uniforms must have the approval of an inspecting officer.

Except for uniforms issued to cadets upon entering the college, coats, trousers, and overcoats are tailored to individual measurements by the college uniformer.

While the cost of uniforms is usually covered by the prescribed fees, individual needs may be such as to require charges in excess of these amounts. Parts of uniform and book deposits not used will be refunded.

Other Fees

Other fees required are:

Cadet Activities Fee—$18.50. This is a direct charge and no part of it is returnable. It is allocated as follows: $11.00 for athletics; $2.00 for *The Sphinx*, the cadet annual; $1.00 for *The Bulldog*, the cadet newspaper; $1.00 for *The Shako*, the cadet literary magazine and forensics; $2.50 (required of Protestants only) for the Y. M. C. A.; and $1.00 for the orchestra, band, and glee club.

Book and Laboratory Fees. Deposits in the following amounts are required; in individual cases the actual cost may exceed the prescribed amount and an additional deposit be required. Any portion of a deposit not used will be refunded.

For seniors and juniors—books and laboratory fees	$15.00
For sophomores and freshmen—books and laboratory fees	25.00
For freshmen who elect Drawing—drawing equipment	10.00

**Class Fund.* A payment of $10.00 for this fund is optional.

Summary of Freshman Expenses

	S. C. Cadets	Out-of-State Cadets
Registration—not returnable	$ 5.00	$ 5.00
Tuition	60.00	150.00
Uniforms—		
Deposit when enrolled	10.00	10.00
Other payments	145.00	145.00
Maintenance—		
Board	189.00	189.00
Room, heat, light, water, laundry, and hospital	72.00	72.00
Breakage	4.00	4.00
Books	25.00	25.00
*Cadet Activities Fee	18.50	18.50
Total	$528.50	$618.50

Expenses for Old Cadets

For old cadets the expenses are the same except for uniforms, the cost usually being about $100.00 less.

Payments

The fees for registration, tuition, uniforms, maintenance, books, and cadet activities for the first year are paid in amounts as follows:

	S. C. Cadets	Out-of-State Cadets
When enrolled	$ 15.00	$ 15.00
First installment, Sept. 10	176.00	198.50
Second installment, No. 20	128.50	151.00
Third installment, Feb. 1	122.00	144.50
Fourth installment, April 1	87.00	109.50
Total	$528.50	$618.50

*See Cadet Activities Fee, page 26.

In settlement of all fees remittance should be made by money order or check made payable to E. M. Tiller, Quartermaster, and mailed to him direct.

The low fees and small appropriations at The Citadel are based on minimum current expenses. There is no reserve fund to carry accounts. All fees must therefore be paid in advance in the amounts and on the dates stated in the preceding tabulation. Where patrons are unable to make such payments it will be necessary to withdraw the cadet concerned.

Employment

The time of a cadet at The Citadel is very largely taken up with his duties; hence there is no opportunity for employment outside the college. During the last session twelve per cent of the students enrolled as of October 15 were given employment within the institution by the Federal Government under the provisions of the National Youth Administration. Whether this employment will be available in succeeding years is not known. It should be noted that juniors and seniors who are enrolled in the R.O.T.C. receive approximately $93.00 cash a session from the War Department, and if this is applied to college fees it will materially reduce the expenses of the last two years.

Scholarships

Detailed information regarding scholarships will be found on pages 30-32.

Hospital

The hospital facilities at The Citadel are excellent, and all ordinary cases of sickness are treated by the surgeon and nurses of the college without expense to the parent. Surgical cases requiring the removal of a cadet to an infirmary in the city, services of a special nurse in the college hospital, and special treatment of eyes, ears, teeth, etc., must be at the expense of the parent or guardian.

Clothing and Bedding

All cadets are required to furnish their own bedclothes. Beds and mattresses are provided by the college, but pillows are not. A mattress cover will be issued at cost to each cadet. Cadets should come provided with the following articles:

Six white shirts, without collars preferred	Six towels
Six suits of underwear	One pillow
Three pajamas	Three pillow cases
One bathrobe	Four sheets for single bed
Six pairs of black socks	Two pairs of blankets
One dozen handkerchiefs	One comfort
	Toilet articles

Two laundry bags about 24x30 inches.

Two pairs *black* shoes, high or low cut, with rubber heels.

Before the opening of the session, a new cadet is assigned a laundry number, which he retains as long as he remains at The Citadel. Clothing should be marked with the name and full initials, as well as with laundry number, as follows: sheets, towels, and handkerchiefs in the corner; pillow cases in corner at open end; collars on inside near center; shirts on bands near buttonhole at back of neck; socks on leg near top; other articles where most practicable.

SCHOLARSHIPS AND HONORS

Charleston City Scholarships

There are six scholarships maintained by the City of Charleston. Each of these is worth $250.00, which covers board ($162.00), the charge for room, heat, light, water, laundry, and hospital ($72.00), and $16.00 on the tuition account. Vacancies are filled by the city authorities.

Cadets Holding Charleston City Scholarships
Session 1937-1938

No.	Name	Street Address	Scholarship Becomes Vacant			
1.	H. W. Rittenberg	438 King Street	1938	----	----	----
2.	C. L. Suhrstedt	252 Ashley Avenue	----	1939	----	----
3.	D. F. Fishburne	29 Bee Street	----	1939	----	----
4.	R. R. Pregnall, Jr.	68 Smith Street	----	1939	----	----
5.	T. E. Pederson	729 Rutledge Avenue	----	----	1940	----
6.	G. H. E. Tiencken	14 St. Philip Street	----	----	----	1941

First Division A. E. F. Scholarships

There are five scholarships maintained by the Society of the First Division, A. E. F. These scholarships are valued at $550.00 each, which covers all college expenses, including uniforms and books. The award is for the entire period of the college course. Awards were made in 1936, and there will be no further vacancies until 1940.

In order that the benefits to be derived from this foundation may be available to applicants from any state in the union, one scholarship is awarded in each of the following districts:

1. First and Second Corps areas.
2. Third and Fourth Corps areas.
3. Fifth Corps area.
4. Sixth and Seventh Corps areas.
5. Eighth and Ninth Corps areas.

Candidates must fulfill the following requirements:

a. General worth and personality as indicated by qualities of manhood, truth, courage, devotion to duty, sympathy, unselfishness, and fellowship.

b. Exhibition of moral force of character and of instincts to lead one's schoolmates and take an interest in them.

c. Physical vigor as shown by interest and participation in manly sports.

d. Scholastic preparation sufficient to meet college entrance requirements and to do good work after entrance.

These scholarships were awarded in 1936 as follows:

1. John Ferris, Ithaca, N. Y.
2. R. F. Freeman, Greenville, S. C.
3. S. G. Zynda, Cleveland, O.
4. J. E. Burrows, Muskegon, Mich.
5. D. B. McClellan, St. Paul, Minn.

Other Scholarships

The William States Lee Scholarship.—The income from $6,000.00 in bonds; founded in 1925 by the late William States Lee of Charlotte, N. C. Holder: T. R. McCants, Orangeburg, S. C. Vacant 1941.

The James R. Crouch Scholarship.—The income from $5,000.00 in bonds; founded in 1925 by the late James R. Crouch of Greenville, S. C. Holder S. R. Kilgore, Woodruff, S. C. Vacant 1938.

The Colonel Robert R. McCormick Scholarship.—Covering all expenses at The Citadel for four years; established in 1934 by Colonel Robert R. McCormick, of Chicago, Ill. The qualifications are the same as for the First Division, A. E. F., scholarships. The selection is limited to candidates from the state of Illinois. Holder: J. H. Miller, Aurora, Ill. Vacant 1938.

The First Field Artillery Brigade, A. E. F., Scholarship.—Covering expenses at The Citadel for four years; estab-

lished anonymously in 1934. The qualifications are the same as for the First Division, A. E. F., scholarships. The selection is limited to candidates from the state of Illinois. Holder: A. A. Sabados, Aurora, Ill. Vacant 1939.

The Redmond C. Stewart Memorial Scholarship.——Covering all college expenses, including uniforms and books; established in 1936 in honor of the late Colonel Redmond C. Stewart of Baltimore, Md., by a generous benefactor of The Citadel. The qualifications are the same as for the First Division, A. E. F., scholarships. The selection will be limited to candidates from the state of Maryland. Holder: C. W. Owens, Jr., Cumberland, Md. Vacant 1940.

The Camden Scholarship.—Covering all college expenses at The Citadel for four years. The qualifications are the same as for the First Division, A. E. F., scholarships. Limited to graduates of the Camden High School, Camden, S. C. Holder: W. W. Bates, Camden, S. C. Vacant 1941.

Honors and Awards

The Scholarship Medal—presented annually by the Board of Visitors to the cadet graduating at the head of his class.

The Medal for Oratory—awarded by the college annually to that cadet whose achievement in oratory has been most significant.

The Robert Burns Poetry Award—awarded by the Saint Andrew's Society of Charleston to that cadet who has written the best poem published during the year in the cadet literary magazine.

General High Honors—awarded to those cadets of the graduating class whose academic standing in each of the four college years does not fall below a grade point ratio of 2.67.

General Honors—awarded to those cadets of the graduating class who have maintained a grade point ratio of 2.50 to 2.66 during the four college years.

Departmental Honors—awarded on recommendation of heads of departments to those cadets of the graduating class who have established a grade point ratio of 2.50 or better in at least 36 semester hours of work in a department, including all departmental work in the junior and senior years.

Citation for Excellence—those cadets who have made a grade of A in the year's work of any course are cited for excellence in that course.

The Gold Star—awarded to those cadets who have made a grade point ratio of not less than 2.67 in the work of a semester. The star is worn on the collar of the uniform during the next semester.

R. O. T. C. Honors—honor graduates whose proficiency in military training and intelligent attention to duty have merited the approbation of the Professor of Military Science and Tactics are designated "Honor R. O. T. C. Graduates." Only five per cent of the graduating class may be so designated; those in excess of this number meriting distinction are designated "Distinguished R. O. T. C. Graduates."

The John O. Willson Ring—the bequest of Dr. John O. Willson; given annually to the senior voted by his classmates the manliest, purest, and most courteous member of his class.

The Algernon Sydney Sullivan Awards—bronze medallions presented by the college, through the benefaction of the New York Southern Society, to students or others in recognition of high thought and noble endeavor; established by that society in 1925, the awards have been made at The Citadel since 1933.

The Star of the West Medal—originally presented to The Citadel by Dr. B. H. Teague; awarded annually for one year to the best drilled cadet.

The W. C. White Medal—presented annually by Mrs. W. C. White to the captain of the best drilled company.

The Commandant's Cup—presented to The Citadel by the late Lieutenant-Colonel W. C. Miller; awarded annually for one year to the best drilled company.

The competitions for the Star of the West Medal, the W. C. White Medal, and the Commandant's Cup are held as a part of the annual commencement exercises.

The Francis Marion History Award—a silver cup presented annually by the Rebecca Motte Chapter, D. A. R., to the senior having the highest standing in American history.

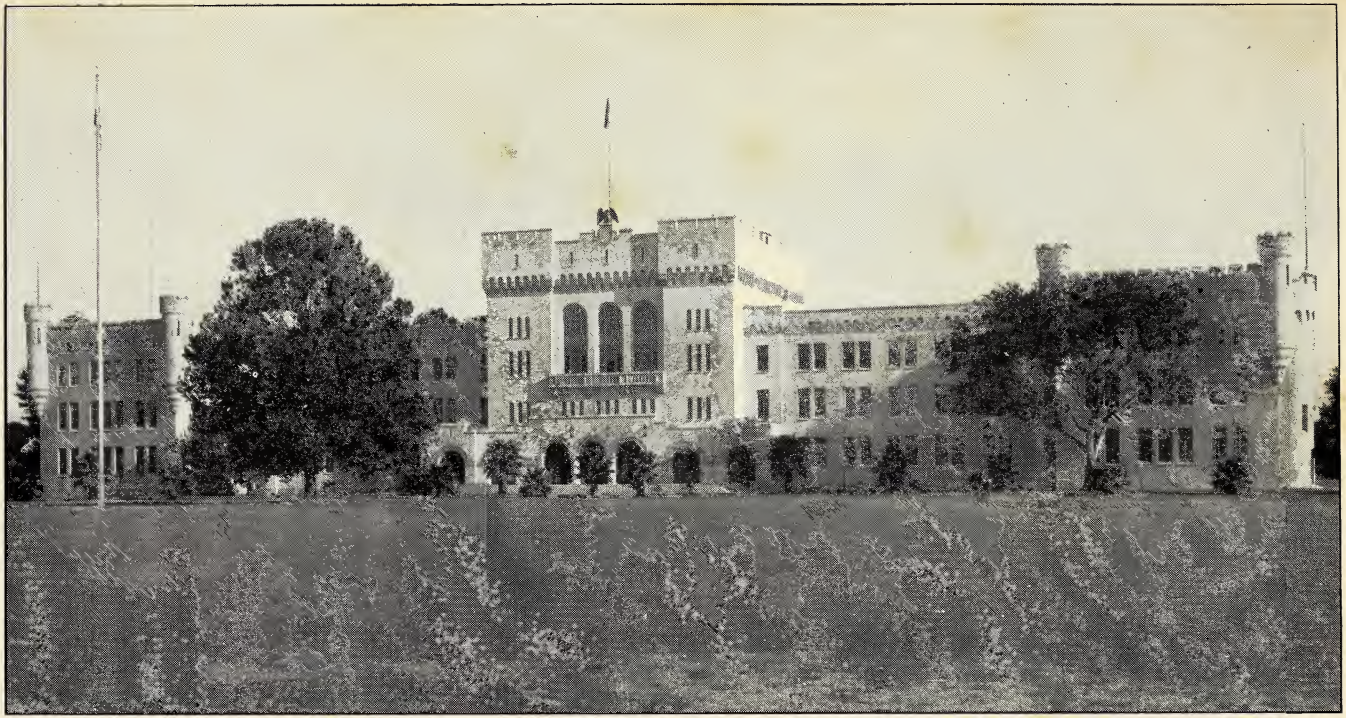
The U. D. C. History Prize—awarded annually by the Charleston Chapter, U. D. C., to the student in the Department of History who writes the best essay on a designated historical subject.

The Washington Light Infantry Marksmanship Trophy and Medals—a trophy awarded annually for one year to the organization whose team makes the highest score in small-bore rifle marksmanship; silver medals awarded to the members of the winning team; and a gold medal to the cadet making the highest individual score; all presented by the Washington Light Infantry.

The American Legion Saber—presented to The Citadel by Charleston Post No. 10, American Legion, is awarded to the member of the senior class who writes the best article on an appropriate military subject.

The William Moultrie Saber—awarded annually by the South Carolina Chapter, D. A. R., to the senior judged to have shown to the greatest degree qualities of leadership, military proficiency, and soldierly deportment.

The Wade Hampton Saber—awarded annually by the South Carolina Division, U. D. C., to the senior who has attained the highest standing in Military Science and Tactics.



BOND HALL

GENERAL INFORMATION

Automobiles

Every effort is made to protect the cadets from the hazards of automobile travel. No cadet may travel by private automobile while on leave or furlough unless he has previously secured written permission from his parents or guardian. Hitch-hiking is strictly contrary to regulations and is not permitted under any circumstances.

Cadets may keep automobiles at The Citadel only with the written consent of parents or guardians. This privilege may be revoked for cause. A parking lot is provided, but the college assumes no responsibility for the safekeeping of automobiles. Cars are to be used only during general or special leaves.

The Citadel strictly prohibits the defacing of cadet automobiles with signs, lettering, slogans, words, or other such undignified decorations. No cadet will be permitted to keep an automobile not classed as dependable means of transportation.

Cadets will conform to the state and city laws concerning automobiles and their operation. State licenses for vehicles and state and city licenses for operators are required. In accordance with the requirements of the General Assembly a course in automobile driving and traffic laws is given at the college.

College Year

The College year begins the first week of September and ends the first week of June.

It is divided into two semesters of four months each, and examinations are held at the end of each semester. Reports showing the record of the cadets in studies and conduct are sent to parents and guardians four times a year: once at each midsemester and once at the

end of each semester. There will be monthly warning notices for deficient students.

A "Freshman Week" precedes the opening of the regular year.

Customs and Courtesies

Customs and Courtesies, a twenty-nine page booklet published at The Citadel, is designed to provide cadets with a compact manual of good deportment.

This manual is used as the text-book in a course in deportment given by the Department of Military Science and Tactics.

After explaining clearly the value of a knowledge of the correct way of conducting oneself in social contacts, the booklet presents detailed information on such matters as personal appearance and dress, correct speech, table manners, introductions, calling cards, calling, social correspondence, overnight visits, and punctuality.

The practical value of the booklet is evidenced by the fact that many persons not connected with the college have requested copies.

Educational Standing

The Citadel is a fully accredited senior college. It is a member of the Southern Association of Colleges and Secondary Schools and of the Association of American Colleges and is on the approved list of the American Association of Universities.

The Engineering Department is accredited by the Engineers' Council for Professional Development.

Faculty Studies

The Bulletin of Faculty Studies, published twice a year, is an organ for the publication of technical and scholarly articles. Faculty officers are encouraged to publish the results of their technical and professional study in the *Bulletin* and in the journals devoted to their special fields.

Freshman Week

Freshman week was instituted so as to provide the new student with an introduction to college surroundings prior to the beginning of class work.

During this week, in addition to becoming acquainted with the college and its environment, the new cadets are given physical examinations and are provided with uniforms, books, and other necessary equipment.

An extensive program of achievement tests enables the faculty to develop its instructional program in accordance with the particular needs of individual cadets.

Furlough

A suspension of work for ten days, including Christmas Day and New Year's Day, is required by law.

The corps of cadets is furloughed from Commencement Day, in June, until the opening of the following session in September. There are Thanksgiving holidays of about four days and Easter holidays of about six days.

The following paragraphs are sections from the handbook *Cadet Regulations*:

166. During the session furloughs will be granted to cadets only in case of urgent necessity, such as death or extreme illness of some member of the cadet's immediate family, marriages of near relatives when the presence of cadets is requested by parents, and in case of business which cannot be arranged by correspondence, but necessarily requires the personal presence of the cadet. In the last case application must be in writing from the parents of cadets setting forth the reasons and the necessity for furlough.

167. Parents applying for admission of their sons to The Citadel relinquish control over them to the authorities of the college, and it is expected that they will not ask for furloughs for their sons except in extreme cases.

In every case the reason for the furlough should be stated and the decision left to the Citadel authorities whether the circumstances warrant the approval of the application. This must be done before furloughs will be approved.

All requests for furlough should be made by parents direct to the Commandant of Cadets. Requests initiated by cadets cannot be considered.

168. Dental work, special examination of eyes, etc., should be looked after during the summer or Christmas furloughs. Leaves should not be requested for this purpose during the session. In cases of emergency there are competent specialists and ample facilities in Charleston for taking care of any temporary needs of cadets. In matters of health, the regular surgeon of the college will advise the proper course to be taken.

Hazing

One of the bugbears of college life, which has been talked about and magnified beyond its due importance, is hazing. The practice of hazing is fortunately getting less and less common in our colleges. It is a practice which should be totally abolished, because, if countenanced at all, it almost invariably is carried to excess by a few irresponsible students.

At The Citadel, where all the cadets live together in two barracks, as one big family, the presence of individuals who are obsessed with the idea that beatings and indignities are a part of a student's education cannot be tolerated; and no student is wanted in the corps who does not subscribe voluntarily to the regulations which absolutely bar hazing from the corps.

The regulations concerning hazing are contained in the following resolution of the Board of Visitors:

> *Whereas,* The Statutes of the State make it unlawful for any student to engage in hazing (XXVIII, Statutes at Large, page 619), and

Whereas, This Act requires the governing boards of all colleges supported in whole or in part by the State to formulate and issue such regulations as may be necessary to enforce this law,

Therefore, be it resolved, That the Board of Visitors of The Citadel, in compliance with the law cited, hereby adopts the following regulations:

1. Every cadet will be required to subscribe to the following promise:

I, (Name of cadet), hereby promise that I will not engage in hazing in any form during my connection with The Citadel.

(Signature of Cadet).

2. In any apparent case of hazing, where the facts do not come directly under the observation of the authorities, the commandant of cadets will require each cadet in the corps to make a statement whether he was involved in the case, and, if so, the facts relating to his connection therewith. In every case where a cadet is guilty of hazing, he shall immediately withdraw from The Citadel, and the facts in the case together with the statement of the cadet will be forwarded to the Board of Visitors.

3. The acceptance of these regulations by the parents or guardian of each cadet and also by the cadet himself will be required before such cadet will be admitted to the college.

4. Hazing is defined to be striking, laying hands upon, treating with violence, or offering bodily harm to a cadet who has been connected with the college for less than one year, or other treatment of a harassing, tyrannical, abusive, insulting, or humiliating nature, or that may endanger the physical well-being of such cadets.

Requiring a freshman cadet to perform any personal services whatever for a member of the senior, junior, or sophomore classes constitutes hazing.

Library

The college library is located on the third floor of Bond Hall. It consists of a large, airy, well-lighted reading room, stacks, and the office of the librarian. The collection contains approximately 18,000 volumes and is constantly being increased. In the period 1932-1937 8000 volumes were added, and 1500 were accessioned during the first semester of the current academic year. Large and important additions have been made possible by gifts from friends of The Citadel.

In addition to the general collection there are separate departmental libraries housed in the departments of Chemistry, Physics, and Civil Engineering. All of these volumes are listed in the catalogue of the college library.

The reading room is well supplied with catalogues and indexes, current magazines and newspapers, technical and scientific journals, and literary and critical reviews.

The annex to Bond Hall, now under construction, will approximately double the available floor space for reading rooms and stacks.

Music

In addition to the Citadel Band, which constitutes one of the drill and administrative units into which the corps of cadets is organized, the school affords several excellent ways in which cadets may develop their musical interests.

Through the Carnegie Corporation the College has recently acquired a very valuable music set consisting of an electric phonograph, nearly seven hundred records, and various books dealing with musicians and musical appreciation. This set is available to cadets in their periods of recreation.

The cadet orchestra, the "Bull Dogs," plays for the informal dances and at other campus functions. The cadet choir and glee club are also important parts of college life.

Parents' Day

A Saturday approximately midway of the first semester is designated as Parents' Day. The purpose of this day is to acquaint parents and other friends of The Citadel with the details of the physical plant and with the academic, military, and social features of cadet life.

Physical Examinations

All new cadets are given a physical examination at the opening of college as a part of the registration procedure. However, in order to avoid loss of time on account of defects thus disclosed after reporting for duty, applicants who have been accepted for admission are urged to have a thorough physical examination before leaving home. Particular attention should be given to tonsils, eyes, ears, nose, and throat.

Placement Committee

A committee of the faculty known as the Placement Committee assists graduates in finding positions. There is no charge for this service, but it is rendered only to those who register with the committee.

Religious Services

The religious training of cadets is provided by daily morning prayer attended by the corps, by regular Sunday morning services conducted at The Citadel by the various ministers of the city, and by the Bible-study groups and other activities of the Cadet Y. M. C. A.

Reserve Officers' Training Corps

The Citadel is justly proud of the record of its ROTC. For more than ten years it has been rated EXCELLENT, based on an annual inspection by the War Department. This is the highest rating given to any unit.

The course of study in Military Science and Tactics at The Citadel is that prescribed by the War Department for students enrolled in the ROTC and is conducted by the Department of Military Science and Tactics. Details

of the courses will be found on pages 105-107, inclusive. All cadets, whether or not enrolled in the ROTC, pursue the course in Military Science and Tactics.

The ROTC training is divided into two major courses, Basic and Advanced. Normally freshmen and sophomores pursue the Basic Course, juniors and seniors the Advanced Course. The War Department allots funds for uniform allowance to all students enrolled in the ROTC, and in addition an allowance for subsistence to those students enrolled in the Advanced Course. In addition to these sums, during the summer training camp, which usually comes between the junior and senior years, the government furnishes transportation, meals, housing, uniforms, medical attention and pay for six weeks. At present this pay is at the rate of 70c per day. During the past year the War Department allowances to cadets enrolled in the ROTC were as follows:

BASIC.

1st Year (Freshmen)		2nd Year (Sophomore)	
For Uniforms	$ 9.00	For Uniforms	$ 9.00

ADVANCED.

1st Year (Junior)		2nd Year (Senior)	
For Uniforms	$29.00	For Uniforms	$ 7.00
For Rations	66.75	For Rations	80.50
For Pay (Camp)	29.40		

(Transportation to and from Camp at 05c per mile).

Seven officers and four non-commissioned officers of the Regular Army, all carefully selected for this duty, are detailed by the War Department to conduct military training at The Citadel. Instruction in camp supplements and rounds out the course given at college. This instruction is given by officers on ROTC duty within the 4th Corps Area. Opportunity is here given the cadets to meet and mingle with men from other colleges. It affords a pleasant and healthful vacation and at the same time opportunity to see and learn phases of military in-

struction not available at college. Successful completion of the ROTC course and graduation qualifies the cadet for a commission in the Officers' Reserve Corps of the Army of the United States.

The number of students who may be enrolled in the Basic Course ROTC is not limited. It is necessary only for the student to pass the War Department physical requirement to be eligible for the benefits provided by this course. Enrollment in the Advanced Course, however, is limited to the number of vacancies made available to the institution by the War Department through the Corps Area Commander.

Selection of cadets to be enrolled in the Advanced Course is made from those who successfully meet the War Department standard and is based on relative efficiency as determined by military grades, scholastic standing, conduct record, leadership ability, and extra-curricular activities. Other things being equal, priority is given to members of the Senior Class.

System of Management

The Citadel is essentially a military college, and all the students live in cadet barracks. From reveille to taps, the cadet passes a full and busy day, every hour of his time being accounted for and its appropriate task assigned.

Leadership, initiative, and character are developed by placing upon cadets the great responsibility of controlling all units in the military organization.

The regular habits of study and living thus formed, the attention to duty, obedience to authority, and love of order inculcated are considered among the most valuable features of the education given. While few of the graduates of the college enter the military profession, hundreds in all walks of civil life attest to the high value of the training received at the institution.

During the first five weeks freshmen are quartered in a separate barracks from upper-classmen, except for

carefully selected cadet officers and non-commissioned officers, who are detailed as their instructors. Only these upper-classmen, and others who may be on temporary official business, are permitted to enter the freshman barracks.

The daily routine is governed by the "Cadet Regulations," generally known as the "Blue Book." A copy will be furnished to parents or guardians upon request.

U. S. Military and Naval Academies

As The Citadel is not a preparatory school, it has no courses specifically designed to prepare students to enter the national military and naval schools at West Point and Annapolis. The regulations for admission to these institutions provide for the acceptance of work in certain accredited colleges, of which The Citadel is one, in lieu of the usual mental examination. Many Citadel cadets have entered West Point and Annapolis by certificate under these regulations.

Y. M. C. A.

The Citadel Y. M. C. A., organized in 1886, is an important part of the religious and social life of the cadets. The work is supervised by a student committee, a cabinet, and a full-time executive secretary.

The regular weekly meetings feature addresses by prominent clergymen and secular leaders of Charleston. In addition, the organization is frequently addressed by prominent visiting speakers sponsored by the city Y. M. C. A.

Study classes, conducted by faculty officers and the religious leaders of the city, offer cadets a thorough acquaintance with the Bible and with contemporary religious problems in the United States and foreign countries. The Association also encourages cadets to attend religious conventions and summer schools.

To the Association are also entrusted the upkeep of recreation rooms, the maintenance of telephone service and a student depository, and the publication of a handbook.

BARRACKS

DEPARTMENTS OF INSTRUCTION

The Objectives of The Citadel

The objectives of The Military College of South Carolina are to offer such courses in the liberal arts and sciences as will develop the mind and character of the student, increase his likelihood of success in any useful pursuit, and fit him to discharge the duties of citizenship; to give to students who so desire, professional training in Civil Engineering and Business Administration; to see that its graduates are adequately equipped in their respective field of concentration to enter in full standing post-graduate, professional, or technical schools; and to qualify them for commissions in the Officers' Reserve Corps, United States Army.

Courses

The course of study is essentially the same for all freshmen. Certain subjects are required in the sophomore year of all students, the remaining subjects being determined by the course which the cadet is to follow during his junior and senior years. Major work is offered in the following departments: Business Administration, Chemistry, Civil Engineering, English, History, Mathematics, Modern Languages, Physics, and Political Science. A thorough pre-medical course is also offered.

A statement of the courses required each year in each department and a detailed description of the various courses will be found in the pages immediately following.

The session of thirty-six weeks is divided into two equal semesters. The unit of credit in the various courses is one hour a week for one semester—two hours of laboratory being counted as one. The standard course is one which has a semester credit of three; that is, a course which meets three hours a week for one semester of eighteen weeks.

Grades

Grades in mid-semester and semester reports are given as follows: A, excellent; B, good; C, fair; D, marginal; E, conditioned; F, failed; I, incomplete.

Grade Points

A grade point system is employed for determining honors and class standing. Grades in this connection have the following values: "A" counts three points per semester hour: "B," two points; "C", one point; "D", zero. The grade point ratio is found by dividing the total number of grade points earned during a semester by the number of hours carried.

Passing Requirements

For promotion or graduation a cadet is required to have a final grade of C or better in at least half of the courses of his class and no grade below D; in addition, in junior and senior years, he is required to have a grade of C or better in at least half of the courses in his major subject. A course in which the final grade is E will be marked "conditioned." No cadet will be advanced to a higher class with more than one condition. A course in which the final grade is F will be marked "failed"; no credit will be given or condition allowed for such a course; it must be repeated and a satisfactory record made in it, or an equivalent course must be taken.

In determining whether a cadet of junior or senior year has the requisite number of C's for promotion or graduation, all major courses are to be considered on a semester basis.

Conditions

Conditions may be removed by passing an examination or by repeating the course. Examinations may be taken in not more than two subjects. Except in the case of seniors, examinations for the removal of conditions are held immediately before the opening of college in September.

A cadet who wishes to take an examination for promotion must notify the registrar in writing not later than September 1, specifying the subjects in which he wishes to be examined. If a cadet fails in the examination, a second examination will not be given until at least one semester has elapsed. A fee of two dollars will be charged for all such examinations not taken at the scheduled time unless a change of time has been authorized.

N. B.—There is so wide a degree of variation in the preparation and abilities of students when they enter college that inevitably not all will be able to complete The Citadel's requirements for graduation in four years. In every worthy case, parents are urged to accept the necessity of their son's returning to college for an additional year without any sense of stigma.

Degrees

A minimum total of 140 semester hours and a minimum attendance of two years are required for graduation.

A course in the United States Constitution is given in the senior year. This course or the course in Government offered in the junior year is required of all candidates for a diploma. Exception is made in the case of cadets who present credit for a study of the Federal Constitution in high school.

The degree of Bachelor of Arts is awarded upon satisfactory completion of the English, History, Modern Language, or Political Science courses. The degree of Bachelor of Science is awarded upon satisfactory completion of the Business Administration, Chemistry, Civil Engineering, Mathematics, Physics, or pre-medical courses.

The degree of Civil Engineer is awarded to graduates in civil engineering after at least three years of responsible work in their profession and the submission of a satisfactory thesis on some engineering subject.

Courses of Study

In the following pages will be found a detailed schedule of the required curriculum for each degree according to the major subject elected. The clock hours and the credit value of each course are noted. The individual courses are described under the appropriate departmental heading in the pages following the schedules.

The Biology and Geology courses are given in the Department of Chemistry; the Drawing, in the Department of Civil Engineering; the Political Science, in the Department of History; the Electrical Engineering in the Department of Physics; the Psychology, in the Department of Education.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered in the second.

COURSES LEADING TO B. A. DEGREE

English Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	5	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Survey of English Literature	Engl. 201, 202	3	0	6	
History of Modern Europe (1815-1937)	Hist. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Intermediate French	French 201, 202	3	0	-	
or					
Introductory Survey of French Literature	French 203, 204	3	0	6	
The English Language	Engl. 203	3	0	3	
Elective (second semester)		3	0	3	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	36
Junior Year					
Two major English courses each semester (other than English 205, 206, or 312)		6	0	12	
French or German		3	0	6	
History of the Middle Ages	Hist. 301, 302	3	0	6	
Elective		3	0	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	36
Senior Year					
Two major English courses each semester (other than English 205, 206, or 312)		6	0	12	
German		3	0	6	
Electives (Two)		6	0	12	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				142

COURSES LEADING TO B. A. DEGREE
History Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101 102	5	0	6	
A Survey of European Civilization	Hist. 101, 102	3	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Survey of English Literature	Engl. 201, 202	3	0	6	
History of Modern Europe (1815-1937)	Hist. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Intermediate French	French 201, 202	3	0	-	
or					
Introductory Survey of French Literature	French 203, 204	3	0	6	
Elective		3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	36
Junior Year					
The Middle Ages	Hist. 301, 302	3	0	6	
History of the United States	Hist. 303, 304	3	0	6	
American Government and Politics	Pol. Sci. 301, 302	3	0	6	
A modern language		3	0	6	
Elective		3	0	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	36

History Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Senior Year					
Hispanic America	Hist. 401	3	0	3	
Diplomatic History of the United States	Hist. 402	3	0	3	
History of England	Hist. 403, 404	3	0	6	
Comparative Government and World Politics	Politics 405, 406	3	0	6	
The American Constitution	407, 408	3	0	6	
Elective		3	0	6	
2nd Year Advanced, Inf. or C.A.	Mil. Sci. 401, 402	3	5	6	36
	Total				142

COURSES LEADING TO B. A. DEGREE
Modern Language Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1815-1937)	Hist. 201, 202	3	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Survey of English Literature	Engl. 201, 202	3	0	6	
History of Modern Europe (1815-1937)	Hist. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Introductory Survey of French Literature	French 203, 204	3	0	6	
(or Intermediate French, 201, 202)					
Elementary German	German 201, 202	3	0	-	
or					
Elementary Spanish	Spanish 101, 102	3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	36
Junior Year					
French Composition and Conversation	French 303, 304	3	0	6	
French Literature (from beginning of the seventeenth century through Montesquieu)	French 301, 302	3	0	-	
or					
Eighteenth Century French Literature	French 403, 404	3	0	6	
Intermediate German	German 303, 304	3	0	-	
or					
Spanish Literature	Spanish 203, 204	3	0	6	
Electives (two)		6	0	12	
1st Year Advanced, Inf. or C.A.	Mil. Sci. 301, 302	3	5	6	36

Modern Language Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Senior Year					
French Literature (from Voltaire to the present time)	French 403, 404	3	0	-	
or					
Modern French Literature	French 405, 406	3	0	6	
German Drama of the Nineteenth Century	German 401, 402	3	0	-	
or					
Advanced Spanish	Spanish 301, 302	3	0	6	
Electives (three)		9	0	18	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				142

COURSES LEADING TO B. A. DEGREE

Political Science Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
A Survey of European Civilization	Hist. 101, 102	3	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Survey of English Literature	Engl. 201, 202	3	0	6	
History of Modern Europe (1815-1937)	Hist. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Intermediate French	French 201, 202	3	0	-	
or					
Introductory Survey of French Literature	French 203, 204	3	0	6	
American Government and Politics	Polit. Sci. 201, 202	3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	36
Junior Year					
International Law	Polit. Sci. 303, 304	3	0	6	
Political and Economic Geography	Polit. Sci. 305	3	0	3	
Statistics	B.Ad. 206	3	0	3	
Economic Principles	B.Ad. 301, 302	3	0	6	
History of the United States	Hist. 303, 304	3	0	6	
A modern language		3	0	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	36

Political Science Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Senior Year					
The American Constitution	Polit. Sci. 401, 402	3	0	6	
Comparative Government and World Politics	Polit. Sci. 403, 404	3	0	6	
Hispanic America	Hist. 401	3	0	3	
Diplomatic History of the United States	Hist. 402	3	0	3	
Sociology	Polit. Sci. 405, 406	3	0	-	
or					
Money and Banking	B.Ad. 407, 408	3	0	6	
A modern language		3	0	6	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				142

COURSES LEADING TO B. S. DEGREE
Business Administration Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	5	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Spanish 101, 102	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
FIRST SEMESTER					
Survey of English Literature	Engl. 201	3	0	3	
Economic History	B.Ad. 201	3	0	3	
Raw Materials	B.Ad. 203	3	1	3	
Mathematics of Finance	B.Ad. 205	3	0	3	
Introduction to College Physics	Phys. 201	3	2	4	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201	1	5	2	18
SECOND SEMESTER					
Survey of English Literature	Engl. 202	3	0	3	
Economic Principles	B.Ad. 202	3	0	3	
Business Psychology	B.Ad. 204	3	0	3	
Statistics	B.Ad. 206	3	0	3	
Introduction to College Physics	Phys. 202	3	2	4	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 202	1	5	2	18

Business Administration Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Junior Year					
FIRST SEMESTER					
Accounting	B.Ad. 303	2	2	3	
Business Law	B.Ad. 305	3	0	3	
Labor Principles	B.Ad. 307	3	0	3	
Marketing	B.Ad. 309	3	0	3	
Government Finance	B.Ad. 311	3	0	3	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301	3	5	3	18
SECOND SEMESTER					
Accounting	B.Ad. 304	2	2	3	
Business Organization	B.Ad. 306	3	0	3	
General Insurance	B.Ad. 308	3	0	3	
Foreign Trade	B.Ad. 310	3	0	3	
Taxation	B.Ad. 312	3	0	3	
1st Year Advanced Inf. or C. A.	Mil. Sci. 302	3	5	3	18
Senior Year					
FIRST SEMESTER					
Accounting	B.Ad. 401	2	2	3	
Corporation Finance	B.Ad. 403	3	0	3	
Sales Administration	B.Ad. 405	3	0	3	
Money and Banking	B.Ad. 407	3	0	3	
Production	B.Ad. 409	3	0	3	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401	3	5	3	18
SECOND SEMESTER					
Accounting	B.Ad. 402	2	2	3	
Investments	B.Ad. 404	3	0	3	
Railway Transportation	B.Ad. 406	3	0	3	
Money and Banking	B.Ad. 408	3	0	3	
Employment Management	B.Ad. 410	3	0	3	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 402	3	5	3	18
	Total				142

COURSES LEADING TO B. S. DEGREE

Chemistry Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	3	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	-	
or					
Mechanical Drawing	Eng. 101, 102	1	3	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Analytical Geometry; Calculus	Math. 201, 202	5	0	9	
Survey of English Literature	Engl. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Chemistry—Qualitative Analysis	Chem. 201, 202	1	4	6	
Elementary German	German 201, 202	3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	39
Junior Year					
Chemistry—Quantitative Analysis	Chem. 301, 302	1	4	6	
Chemistry—Organic	Chem. 303, 304	3	3	8	
Intermediate Calculus; Differential Equations	Math. 301, 302	3	0	6	
Scientific German	German 301, 302	3	0	6	
Elective		3	0	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	38

Chemistry Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Senior Year					
Chemistry—Physical	Chem. 401, 402	2	3	7	
Chemistry—Organic Preparations	Chem. 403	1	4	3	
Chemistry—Advanced Quantitative Analysis	Chem. 404	1	4	3	
Chemistry—Advanced General	Chem. 405, 406	3	0	6	
Elective		3	0	6	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	31
	Total				142

COURSES LEADING TO B. S. DEGREE
Civil Engineering Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	5	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Mechanical Drawing	Eng. 101, 102	1	3	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
FIRST SEMESTER					
Plane Analytical Geometry	Math. 201	5	0	4½	
Survey of English Literature	Engl. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201	3	2	4	
Plane Surveying	Eng. 205	3	2	4	
Descriptive Geometry	Eng. 201	0	2	1	
Machine Drawing	Eng. 203	0	4	2	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201	1	5	2	20½
SECOND SEMESTER					
Differential and Integral Calculus	Math. 202	5	0	4½	
Survey of English Literature	Eng. 202	3	0	3	
Introduction to College Physics	Phys. 202	3	2	4	
Plane Surveying	Eng. 206	3	2	4	
Graphic Statics.	Eng. 202	0	2	1	
Topographical Drawing	Eng. 204	0	4	2	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 202	1	5	2	20½

Civil Engineering Elective

(Continued)

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Junior Year					
FIRST SEMESTER					
Intermediate Calculus	Math. 301	3	0	3	
Analytic Mechanics	Eng. 301	3	0	3	
Highway Engineering	Eng. 305	3	0	3	
Engineering Law	Eng. 309	3	0	3	
Engineering Geology	Geol. 303	3	0	3	
Materials Laboratory	Eng. 307	0	4	2	
1st Year Advanced, Inf. or C. A.	Mil. Sci 301	3	5	3	20
SECOND SEMESTER					
Differential Equations	Math. 302	3	0	3	
Analytic Mechanics	Eng. 302	3	0	3	
Highway Engineering	Eng. 306	3	0	3	
Mechanics of Materials	Eng. 304	3	0	3	
Specifications	Eng. 310	3	0	3	
Stress Analysis	Eng. 308	2	2	2	
1st Year Advanced, Inf or C. A.	Mil. Sci. 302	3	5	3	20
Senior Year					
FIRST SEMESTER					
Concrete	Eng. 403	3	0	3	
Elementary Structural Design	Eng. 405	2	2	3	
Hydraulics	Eng. 407	3	0	3	
Practical Astronomy	Eng. 409	3	0	3	
Electrical Engineering	Phys. 407	2	2	3	
Engineering Laboratory	Eng. 401	0	4	2	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401	3	5	3	20
SECOND SEMESTER					
Concrete	Eng. 404	3	0	3	
Elementary Structural Design	Eng. 406	2	2	3	
Sanitary Engineering	Eng. 408	3	0	3	
Water Power Engineering	Eng. 410	3	0	3	
Thesis	Eng. 412	0	3	1½	
Electrical Engineering	Phys. 408	2	2	3	
Engineering Laboratory	Eng. 402	0	4	2	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 402	3	5	3	21½
	Total				156½

COURSES LEADING TO B. S. DEGREE
Mathematics Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	3	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	-	
or					
Mechanical Drawing	Eng. 101, 102	1	3	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Analytical Geometry; Calculus	Math. 201, 202	5	0	10	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Survey of English Literature	Engl. 201, 202	3	0	6	
French or German		3	0	6	
Elective		3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	40
Junior Year					
Intermediate Calculus; Differential Equations	Math. 301, 302	3	0	6	
Higher Mathematics Selected Topics	Math. 303, 304	3	0	6	
Advanced General Physics	Phys. 301, 302	3	0	6	
French or German		3	0	6	
Elective		3	0	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	36
Senior Year					
Advanced Mathematics	Math. 401, 402	3	0	6	
Advanced Mathematics	Math. 403, 404	3	0	6	
Electives (three)		9	0	18	
2nd. Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				146

COURSES LEADING TO B. S. DEGREE

Physics Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	5	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Mechanical Drawing	Eng. 101, 102	1	3	-	
or					
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Analytical Geometry; Calculus	Math. 201, 202	5	0	9	
Survey of English Literature	Engl. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Electives (two)		6	0	12	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	39
Junior Year					
Intermediate Calculus; Differential Equations	Math. 301, 302	3	0	6	
Advanced General Physics	Phys. 301, 302	3	0	6	
Laboratory Physics	Phys. 303, 304	0	6	6	
Electives (two)		6	0	12	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	36
Senior Year					
Advanced Physics	Phys. 401, 402	3	6	12	
Electrical Engineering	Phys. 403, 404	3	0	6	
Electrical Engineering Laboratory	Phys. 405, 406	0	6	6	
Elective		3	0	6	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				145

COURSES LEADING TO B. S. DEGREE

Pre-Medical Elective

Subject	Courses	Clock Hrs. Rec.	Clock Hrs. Lab.	Semester Hours	Total Hours
Freshman Year					
Mathematical Analysis	Math. 101, 102	5	0	6	
Composition and Introduction to Literature	Engl. 101, 102	5	0	6	
History of Modern Europe (1500-1815)	Hist. 101, 102	5	0	6	
General Inorganic Chemistry	Chem. 101, 102	2	2	6	
Elementary French	French 101, 102	3	0	-	
or					
Intermediate French	French 103, 104	3	0	-	
or					
Elementary Spanish	Span. 101, 102	3	0	-	
or					
Mechanical Drawing	Eng. 101, 102	1	3	6	
1st Year Basic, Inf. or C. A.	Mil. Sci. 101, 102	2	5	4	34
Sophomore Year					
Survey of English Literature	Eng. 201, 202	3	0	6	
Introduction to College Physics	Phys. 201, 202	3	2	8	
Chemistry—Qualitative Analysis	Chem. 201, 202	1	4	6	
German	German 201, 202	3	0	6	
Elective		3	0	6	
2nd Year Basic, Inf. or C. A.	Mil. Sci. 201, 202	1	5	4	36
Junior Year					
Chemistry—Organic	Chem. 303, 304	3	3	8	
Scientific German	German 301, 302	3	0	6	
Elementary Zoology	Biol. 301, 302	2	4	8	
Physics	Phys. 303, 304	-	6	6	
1st Year Advanced, Inf. or C. A.	Mil. Sci. 301, 302	3	5	6	34
Senior Year					
Chemistry—Advanced General	Chem. 405, 406	3	0	6	
Biology	Biol. 401, 402	2	4	6	
Psychology	Psy. 401, 402	3	0	6	
Electives (two)		6	0	12	
2nd Year Advanced, Inf. or C. A.	Mil. Sci. 401, 402	3	5	6	36
	Total				140

NAVE OF CADET CHAPEL

DEPARTMENT OF BUSINESS ADMINISTRATION

Lieutenant-Colonel M. S. Lewis.....*Professor*
Captain Tibbetts.....*Associate Professor*
*Lieutenant E. H. Lewis.....*Assistant Professor*
Lieutenant Whitman.....*Assistant Professor*
Lieutenant Bernfield.....*Assistant Professor*
Lieutenant Debnam.....*Assistant Professor*
†Lieutenant Allen.....*Assistant Professor*
Lieutenant Thornborough.....*Assistant Professor*
Lieutenant Campbell.....*Assistant Professor*
Mr. Clough .....*Instructor*

Modern business has become so large in the size of industrial units and so complex in organization that a mastery of its theory and practice can no longer be acquired through apprenticeship. Today no single industry or business can give so adequate a training to its beginners as can be obtained in the department of business administration of a good college. Such college training is now considered the best method of equipping a man for success as a business and economic leader.

The purpose of the Department of Business Administration is to prepare the student to take his place in a business enterprise with such general knowledge of business that he can forego many of the years of experience which would be required of an apprentice, to prepare him to enter in full standing the graduate schools of business administration, to pursue further professional business studies, and to take his place in economic society as a professional man in other fields of endeavor with sufficient knowledge to make sound decisions on economic problems.

The courses described below are not all pure business courses; rather they are designed to offer instruction in subjects commonly given in schools of arts and science, in schools of social science, and in schools of business administration.

*On leave of absence, 1937-1938.
†Resigned, April 12, 1938.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

201. Economic History

Required of all sophomores taking the Business Administration Elective Course. Lieutenants Bernfield, Thornborough, and Campbell.

Some of the early economic institutions—slavery; community systems; despotism; manorial system; guild system; early factory system; development of present-day capitalistic order. The discussion, conducted on the basis of comparison, is for the purpose of determining the origin and development of the essential characteristics of modern capitalism.

202. Economic Principles

Required of all sophomores taking the Business Administration Elective Course. Lieutenants Bernfield, Thornborough, and Campbell.

An introduction to the principles of economics; the concepts of wealth, capital, income, specialization and exchange; production, land, labor, organization of industry, risks, money, banking, credit, prices, supply, demand, distribution, and consumption.

203. Raw Material Resources

Required of all sophomores taking the Business Administration Elective Course. Four hours a week. Lieutenant-Colonel Lewis, Lieutenants Thornborough and Campbell.

A study of the geography and the economics of raw materials of the United States; the location, the quantity, the values before and after manufacturing; manufacturing processes; relative importance to economic society.

204. Business Psychology

Required of all sophomores taking the Business Administration Elective Course. Lieutenants Bernfield and Thornborough.

Applied psychology as an aid to the business executive; statistical measures as an aid to the psychologist; vocational psychology, hiring and promotion of the employee; the psychological factor in the business cycle. The psychology of granting credit, selling, advertising and market research.

205. Mathematics of Finance

Required of all sophomores taking the Business Administration Elective Course. Major Myers, Lieutenant Barone.

Mathematics as applied to interest, discounts, annuities, bonds, capitalization, depreciation, amortization, insurance; elements of statistical mathematics.

206. Elements of Statistics

Required of all sophomores taking the Business Administration Elective Course. Major Myers, Lieutenant Barone.

A study of elementary statistics including such topics as distribution averages, dispersion, skewness, correlations, and methods of graphic presentation; index numbers, business cycles and trends as measures for the economist; practical uses of statistics in budgeting, accounting, forecasting, market analysis, banking, production, and labor.

301, 302. Economic Principles

Open to juniors and seniors in all elective courses. Lieutenant Bernfield.

An examination of the fundamental principles of economics including our present economic organization, price determining forces, elementary concepts of money, banking and exchange, problems of modern business organization, distribution of wealth and income, economics of government, problems of labor; reforms and substitutes that have been suggested for capitalism, such as profit-sharing, co-partnership, socialism, communism fascism.

303. Accounting Principles
Required of all juniors taking the Business Administration Elective Course. Four hours a week. Captian Tibbetts, Lieutenant Debnam.
A thorough discussion of record-making, with emphasis on recording and analysis of transaction and the proper forms to be used; weekly practical problems in the laboratory.

304. Accounting Theory
Required of all juniors taking the Business Administration Elective Course. Four hours a week. Captain Tibbetts, Lieutenant Debnam.
Theory of accounts and the preparation of correct and informative reports are discussed; weekly practical problems in the laboratory.

305. Business Law
Required of all juniors taking the Business Administration Elective Course. Instructor to be announced.
A discussion of the law which relates to the business man; contracts, agency, negotiable instruments, business association, sales, bailments, security relations, real property, and the like. Discussion of court decisions in actual cases supplements the class work.

306. Business Organization
Required of all juniors taking the Business Administration Elective Course. Lieutenant-Colonel Lewis.
The legal relations of a business unit; kind of organization best adapted to various sorts of business activity; internal organization for maximum efficiency.

307. Principles of Labor
Required of all juniors taking the Business Administration Elective Course. Instructor to be announced.
An analysis of the worker's position in modern industry and the effects of industrial production on the worker's social position, introducing problems of wages, hours,

working conditions, child labor, industrial accidents, unemployment, trade unions and collective bargaining. Economic problems of the worker under current labor legislation are considered.

308. General Insurance

Required of all juniors taking the Business Administration Elective Course. Instructor to be announced.

A survey course in predictable business risks and the methods of minimizing these risks through insurance; intelligent planning of a program of insurance for personal needs and business responsibilities; contract forms, coverages, and rates of life, fire, casualty, and marine insurance, and fidelity and surety bonds.

309. Marketing

Required of all juniors taking the Business Administration Elective Course. Lieutenant Bernfield.

The business activities necessary to effect the physical distribution of goods from the producer of the raw materials to the consumer; the marketing institutions; a study of the marketing functions and some marketing problems such as price policies and price maintenance, brands, marketing costs and efficiency.

310. Foreign Trade

Required of all juniors taking the Business Administration Elective Course. Lieutenant Campbell.

The channels of distribution for surplus goods which have to find their outlet in foreign countries; the theory of international trade; foreign trade promotion activities; the commercial organization and policies governing foreign trade practices; trade methods and problems; financial arrangements.

311. Government Finance

Required of all juniors taking the Business Administration Elective Course. Captain Tibbetts, Lieutenant Whitman.

A survey of the amount and purpose of American governmental expenditures; scope of governmental activity; public budgets; control of local finances; custody of funds; principles, forms, and effects of public borrowing.

312. Taxation

Required of all juniors taking the Business Administration Elective Course. Captain Tibbetts, Lieutenant Whitman.

A study of the sources of revenue; constitutional limitations on governmental taxing powers; theories of tax distribution; shifting and incidence; a survey of the general principles and practices of the property tax, corporation, and other business taxes, personal income tax, inheritance tax, highway and commodity taxes.

401. Accounting

Required of all seniors taking the Business Administration Elective Course. Four hours a week. Lieutenant Whitman.

The theory and practice of corporate accounts; accounts as tools of management; the development of financial statements and valuation.

402. Accounting Theory and Practice

Required of all seniors taking the Business Administration Elective Course. Four hours a week. Lieutenant Whitman.

Budgeting; accounting for bankruptcy, receivership, and reorganization and consolidation; special accounting systems such as municipal and estate.

403. Corporation Finance

Required of all seniors taking the Business Administration Elective Course. Lieutenant-Colonel Lewis, Lieutenant Thornborough.

The manager's problem in securing, disposing of, conserving and using the finances of his business; the legal and practical uses of bond, stock, circulating capital; de-

velopment of policies regarding dividends, surplus, income, expenses, and capitalization in relation to the size of the business unit and type of integration.

404. Investments

Required of all seniors taking the Business Administration Elective Course. Lieutenant-Colonel Lewis.

Analysis of government, state, municipal, public utility, railroads, and industrial bonds; discussion of tendency to regard stocks as investments; the tests of a good investment which may be applied to securities so that the untrained person can at least be aware of the nature of his investments and the protection available to him.

405. Sales Administration

Required of all seniors taking the Business Administration Elective Course. Lieutenant Debnam.

The sales problems of retailers, wholesalers, and manufacturing concerns; merchandising policy and research; functions of the various departments connected with sales activities such as credit, traffic, and advertising; selection and training of salesmen; operation of sales branches; sales promotion as it deals with selling methods, advertising, and the planning of sales campaigns.

406. Railway Transportation

Required of all seniors taking the Business Administration Elective Course. Lieutenant Thornborough.

The development of the railroad systems; the theories of rates and rate making; the theories of regulation and rights of governments to regulate; the problems of coordination of other forms of transportation with the railroads.

407. Money

Required of all seniors taking the Business Administration Elective course. Captain Tibbetts.

The nature and functions of money; monetary standards; the development and use of the several kinds of money

media in the United States; factors affecting the values of money; international exchange; control of credit; recent monetary developments in the United States.

408. Banking

Required of all seniors taking the Business Administration Elective Course. Captain Tibbetts.

The development of banking in the United States, description of commercial banking operations; special emphasis on organization, operation, and economic effect of the Federal Reserve System; recent banking changes.

409. Production

Required of all seniors taking the Business Administration Elective Course. Lieutenant-Colonel Lewis.

The problems of the production manager; location, design of plant, internal and external transportation, inventory control, methods of measuring activities of personnel, incentives, efficiencies, budgets, and organization.

410. Employment Management

Required of all seniors taking the Business Administration Elective Course. Instructor to be announced.

The principles and practices in the management of employees which introduce positive stimuli into industrial endeavors and promote the industrial efficiency of labor, treating such factors as selection and placement, training, job analysis, promotion, turnover, health, morale building, and recreation.

DEPARTMENT OF CHEMISTRY

Colonel Knox----------*Professor*
Major Byrd----------*Associate Professor*
Captain Watkins----------*Assistant Professor*
Lieutenant Duckett----------*Assistant Professor*
Lieutenant Wideman----------*Assistant Professor*
Lieutenant Steedly----------*Assistant Professor*
Lieutenant Metcalf----------*Assistant Professor*

The courses of study in this department are designed to give the fundamental training in chemistry that will enable graduates in chemistry to fill positions as assistants in commercial and industrial laboratories, to meet the demands of the medical colleges for prerequisite chemical training, and to enable those who desire to continue the study of chemistry to enter graduate schools.

The courses of study embody training in the four great fundamental subdivisions of the science: inorganic, organic, analytic, and physical chemistry.

The Department occupies four commodious laboratories and four lecture rooms. Equipment and supplies are constantly maintained at a thoroughly adequate level.

Students taking the Chemistry Elective Course are required to take all the courses offered by the Department and also Mathematics 101, 102, 201, 202, and 301, 302; German 201, 202 and 301, 302; and Physics 201, 202. Those taking the Pre-Medical Elective Course are required to take Chemistry 101, 102, 201, 202, 303, 304, and 405, 406; Mathematics 101, 102; Physics 201, 202 and 303, 304; German 201, 202 and 301, 302; and Biology 301, 302 and 401, 402.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. General Inorganic Chemistry
Required of all freshmen. Lectures and recitations, two hours a week; laboratory, two hours a week. Major Byrd, Lieutenants Duckett, Wideman, Steedly, and Metcalf.
Theoretical and descriptive chemistry including the elements of modern chemical theory and discussion of some of the more common industrial processes.

201, 202. Qualitative Analysis
Required of sophomores taking the Chemistry or Pre-Medical Elective Course; elective to others. Prerequisite, Chemistry 101, 102. Lectures, one hour a week; laboratory, four hours a week. Major Byrd and Lieutenant Wideman.
The separation and identification of the ordinary cations and anions.

301, 302. Quantitative Analysis
Required of juniors taking the Chemistry Elective Course; elective to others. Prerequisites, Chemistry 101, 102 and Chemistry 201, 202. Lectures, one hour a week; laboratory, four hours a week. Colonel Knox.
In the first semester training is given in gravimetric methods of analysis, including training in stoichiometry. In the second semester training is given in volumetric methods of chemical analysis. As in the first semester, stoichiometric problems appropriate to the nature of the work are considered, both in the lecture room and in the laboratory.

303, 304. Organic Chemistry
Required of juniors taking the Chemistry or Pre-Medical Elective Course. Prerequisite, Chemistry 301, 302. However, this prerequisite is not demanded of pre-medical students. Lectures and recitations, three hours a week; laboratory, three hours a week. Colonel Knox.
The aliphatic and aromatic series and heterocyclic compounds. Classroom discussions and lectures and labor-

atory training in general reactions and synthetic methods.

401, 402. Physical Chemistry
Required of seniors taking the Chemistry Elective Course. Prerequisite Mathematics 201, 202 and 301, 302. Lectures and recitations, two hours a week; laboratory, three hours a week. Major Byrd.
A study of the properties of solids, liquids, and gases, and of their relation to chemical constitution.

403. Organic Preparations
Required of seniors taking the Chemistry Elective Course. Prerequisite, Chemistry 303, 304. Lectures, one hour a week; laboratory, four hours a week. Colonel Knox.
Advanced organic syntheses and technique with emphasis on purity and yield of products.

404. Advanced Quantitative Analysis
Required of seniors taking the Chemistry Elective Course. Prerequisite, Chemistry 301, 302 and 303, 304. Lectures, one hour a week; laboratory, four hours a week. Colonel Knox.
Wet methods; analysis of coal, iron ores, silicates, copper, lead, and zinc ores, and the like.

405, 406. Advanced General Chemistry
Required of seniors taking the Chemistry or Pre-Medical Elective Course. Prerequisite, Chemistry 101, 102 and 201, 202. Lectures, three hours a week. Lieutenant Duckett.
A comprehensive review of inorganic chemistry with special emphasis on equilibria, the periodic law, and the relation of chemical behavior to atomic structure. A more intensive and extensive treatment of material than that given in Chemistry 101, 102.

Biology and Geology

No attempt is made at The Citadel to maintain separate departments in these subjects. The courses are under the supervision of the Department of Chemistry.

The courses offered in biology meet the requirement of the more exacting medical colleges. However, since possibly no science has contributed in a larger manner to modern philosophy than these two, a knowledge of at least their elemental aspects is a distinct contribution to the general culture of the students. Accordingly, Biology 301, 302 and Geology 301, 302 are made available for election to all juniors and seniors. Geology 303 is offered specially for engineering students and is given in the first semester only.

301, 302. Elementary Zoology

Required of juniors taking the Pre-Medical Elective Course; elective to others. Lectures, two hours a week; laboratory, four hours a week. Captain Watkins.

The various classes of animal organisms from the standpoint of anatomy, physiology, phylogeny, and ecology. Occasional lectures are given on some of the broader aspects of the subject such as heredity, the cycle of the germ-cell, pathogenic organisms.

401, 402. Comparative Vertebrate Anatomy and Embryology

Required of seniors taking the Pre-Medical Elective course. Prerequisite, Biology 301, 302. Lectures, two hours a week; laboratory, four hours a week. Lieutenant Metcalf.

The first semester is devoted to the anatomy of the frog, turtle, fowl, and cat with special comparative reference to the anatomy of the human body; the second, to embryology.

301, 302. Elementary Geology

Elective to all juniors and seniors. Lectures, three hours a week; laboratory, two hours a week. Captain Watkins.

The various processes such as crust movements, igneous influences, weathering, erosion, denudation, and transportation, which have been instrumental in shaping the earth; the composition, structure, and arrangement of

igneous and sedimentary rocks; and a survey of the historical aspects.

303. Engineering Geology

Required of juniors taking the Civil Engineering Elective Course. Lectures, three hours a week; laboratory, two hours a week. Captain Watkins.

The origin and occurrence of the three major groups of rocks, their composition, resistance to weathering, and employment in engineering construction. The various processes of dynamic geology are considered with special reference to their application to engineering practice.

DEPARTMENT OF CIVIL ENGINEERING

COLONEL LE TELLIER.....*Professor*
LIEUTENANT-COLONEL ANDERSON.....*Professor*
CAPTAIN HAYNES.....*Assistant Professor*
LIEUTENANT NETTLES.....*Assistant Professor*
MR. TAYLOR.....*Instructor*
MR. EUBANKS.....*Instructor*

The objective of this department is to prepare men for the profession of civil engineering. This objective is sought through a balanced program of liberal, scientific, and technological courses intended to broaden and enrich the cadet's general education as well as to lay the foundation for technical competence. The narrowing effect of too early specilization is avoided by required courses in History, English, and other liberal subjects in the freshman and sophomore years. These courses are not given as a mere gesture to liberal education but as an integral and indispensable part of an enlightened engineering curriculum.

In the junior and senior years most of the time is devoted to professional courses; however, throughout the four years engineering is taught with primary emphasis upon inculcating orderly habits of study, investigation, and sound reasoning, rather than mere acquisition of factual information. Constant attention, too, is given to engineering technique in its broader sense, that is, the characteristic method by which engineers design, organize, and direct engineering projects.

Such a curriculum, ably taught, should prepare the better students to develop mastery of such special fields as their subsequent employment may lead to, or to pursue more advanced work in the graduate schools of engineering. Also the general educational value, if properly adapted to the student's interest and aptitudes, should meet the educational demands of good citizenship irre-

spective of the field the graduate enters.

In so far as possible, the curriculum has been recast recently to accord with findings of exhaustive studies of engineering education in the United States. The new conception of the engineer is that of a professional man thoroughly grounded in technology but also alive to the social and economic implications of his professional activities. It apears to be clearly the duty of engineering schools to fashion their graduates in this mold.

The civil engineering curriculum is accredited by the Engineers' Council for Professional Development.

BUILDING—In August, 1937, the new engineering building, known as Engineering Hall, was completed and occupied by the department. This structure is on the north of the campus and immediately west of Alumni Hall, and it houses all activities of the department except laboratory work in soils mechanics and asphalt, the laboratories for this work being in Bond Hall. The building was designed specifically for the needs of civil engineering instruction, and it contains the necessary laboratories, drafting rooms, class rooms, store rooms, and offices for the department.

EQUIPMENT—There are now equipped and in use four laboratories—cement and concrete, asphalt, soils mechanics, and structural materials. Space is assigned for an undergraduate hydraulics laboratory and equipment for this is expected to be in place late in 1938. The laboratories are equipped for the usual tests and experiments on both bituminous and non-bituminous materials and for a fairly wide range of experiments on structural materials.

In the structural materials laboratory the main items of equipment are—400,000 lb. Baldwin-Southwark hydraulic universal testing machine, with 36 in. working table and a clearance of ten ft. for column testing, 150,000 lb. Olsen universal screw-power testing machine, Brinell

attachment, cold-bend tool, shearing attachment, transverse testing equipment, three spherical-seated bearing blocks, plain and V-grips for tension specimens, self-adjusting tension grips for shoulder end specimens, Berry strain gauge, Whittemore strain guage, H. F. Moore extensometer, Olsen compressometer, Riehle extensometer, deflectometer, several large machined cast iron bearing blocks, and numerous other items of minor equipment.

In the cement and concrete laboratory there is an adequate supply of equipment for every cadet to prepare his individual test specimens. This equipment includes four Buffalo 250-0.01 lb. scales, large platform scales, mixing tables, molds, moist closet, immersion tank, flow table, curing room, numerous weighing balances, steaming tank, electric oven, Riehle cement testing machine, Gilmore and Vicat apparatus, and the usual articles of minor equipment.

In the asphalt and soils mechanics laboratory there is available a Rotarex, Engler viscosimeter, analytical balances, a chemical laboratory hood, constant temperature bath, penetrometer, drying ovens, hot plates, float test apparatus, melting point and flash point equipment, sieves, stop watches, shrinkage apparatus, pressure cells, diamond core drill, diamond saw and grinding lap, Page impact machine, Dorry machine, and the usual apparatus and chemicals found in a fairly complete laboratory.

Adequate equipment is available for the surveying courses. This includes six transits, five levels, three plane tables, two sextants, two aneroid barometers, numerous hand levels, several compasses, standardized tapes, and the usual supply of rods, pins, tapes, chains, etc. This equipment is stored in an instrument room and is in good condition.

SUPPLIES—The department purchases and maintains a stock of drawing instruments and supplies of high quality. This material is sold to cadets at cost plus a small

percentage to defray overhead charges. Cadets may purchase their drawing outfits elsewhere, but care should be taken to secure articles of as good quality as those supplied from the department store room. All outfits submitted for use must be approved by the instructor concerned.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. Mechanical Drawing

Required of freshmen intending to take the Civil Engineering Elective Course. Four hours a week. Colonel Le Tellier, Captain Haynes, Lieutenant Nettles and Mr. Taylor.

Use and handling of instruments; useful geometrical constructions; lettering; orthographic projection; pictorial representation; auxiliary and revolved views; sections; intersections; developments.

201. Descriptive Geometry

Required of sophomores taking the Civil Engineering Elective Course. Two hours a week. Mr. Taylor.

Descriptive Geometry, pure and applied; problems on points, lines, and planes.

202. Graphic Statics

Required of sophomores taking the Civil Engineering Elective Course. Two hours a week. Captain Haynes.

An introduction to vector analysis, including force polygons, stress diagrams, moment diagrams, and the general application of graphic statics to the solution of engineering problems. More advanced constructions are given in Engineering 303.

203. Machine Drawing

Required of sophomores taking the Civil Engineering Elective Course. Four hours a week. Captain Haynes.

The aim is to give civil engineering students as much training in machine drawing as may be regarded a safe minimum for civil engineers. Representation of bolts and nuts, screw-threads, springs, and other machine parts; detail and assembly drawing of some simple machine; tracing and blue printing; examination of manufacturer's drawings, with some attention to drawing-office system.

204. Topographical Drawing
Required of sophomores taking the Civil Engineering Elective Course. Four hours a week. Lieutenant-Colonel Anderson.
Map lettering; topographical symbols; plotting surveyor's notes; contour problems; mapping field notes made in Engineering 205, 206.

205, 206. Plane Surveying
Required of sophomores taking the Civil Engineering Elective Course. Recitations, three hours a week; field work, two hours a week. Lieutenant-Colonel Anderson.
Chaining; differential and profile leveling; compass surveying; verniers; transit surveying; note keeping; land survey computations; stadia surveying; simple curves; topographical surveying; plane table; adjustment of instruments. At the end of February, the time allotted in Engineering 204 is given to topographical drawing and thus supplements this course.

301, 302. Analytic Mechanics
Required of juniors taking the Civil Engineering Elective Course. Mr. Taylor.
Statics, with special attention to framed structures; center of gravity; moment of inertia; friction; rectilinear motion; curvilinear motion; rotation; work and energy; impulse, momentum, and impact.

304. Mechanics of Materials
Required of juniors taking the Civil Engineering Elective

Course. Colonel Le Tellier.
Beams; columns; shafts; elastic curve; combined stresses; compound bars and beams; reinforced concrete stresses. Concerned largely with the application of principles expounded in Engineering 301.

305, 306. Highway Engineering
Required of juniors taking the Civil Engineering Elective Course. Captain Haynes.
Highway economics and finance; administration and legislation; materials; design; construction. Supplemented by laboratory work in Engineering 307 and 401, 402.

307. Engineering Laboratory
Required of juniors taking the Civil Engineering Elective Course. Four hours a week. Captain Haynes, Lieutenant Nettles.
Introduction to laboratory work; use of machines and instruments; strength and deformation measurements on steel, timber, and concrete; design and testing of concrete mixes.

308. Analysis of Stresses
Required of juniors taking the Civil Engineering Elective Course. Recitation, two hours a week; drawing, two hours a week. Lieutenant Nettles.
Triangle of forces; composition, resolution, and equilibrium of forces; funicular polygon; graphic moments; dead and wind loads; wall reactions; stress diagrams for cantilever and unsymmetrical trusses; counterbalancing; three-hinged arches; towers; beams; bridges and bridge loadings; influence lines.

309. Engineering Law
Required of juniors taking the Civil Engineering Elective Course. Colonel Le Tellier.
A general treatment of law in relation to engineering practice; law of contracts, corporations, agency; preparing, advertising, awarding, and interpreting engineering

contracts; important court decisions; engineering relations and ethics.

310. Specifications
Required of juniors taking the Civil Engineering Elective Course. Colonel Le Tellier.
The technique of specification writing; origin, development, and form of specifications; standard specifications; sources of material; simplification; interpretation. Practice in specification writing for materials and structures treated in other courses given in the Department.

401, 402. Engineering Laboratory
Required of seniors taking the Civil Engineering Elective Course. Four hours a week. Lieutenant Nettles and Mr. Taylor.
General materials testing alternating with road-materials testing. Compressive, tensile, transverse, and shearing tests on steel, concrete, wood and other materials, with measurements of deformation by strain gauges and other instruments; special attention to concrete proportioning and testing. Standard tests and experiments on bituminous and non-bituminous road materials.

403, 404. Concrete
Required of seniors taking the Civil Engineering Elective Course. Mr. Taylor.
Cement, plain concrete, and elementary principles of reinforced concrete design and construction.

405, 406. Elementary Structural Design
Required of seniors taking the Civil Engineering Elective Course. Recitations, two hours; drawing, two hours a week. Lieutenant Nettles.
The aim is to give an elementary knowledge of wood and steel constructions, including complete design of a simple bridge. Properties of standard structural shapes; use of handbooks; riveted joints; structural details; design and fabrication of simple steel structures, including complete design of a simple bridge.

407. Hydraulics
Required of seniors taking the Civil Engineering Elective Course. Lieutenant-Colonel Anderson.
Pressure of water on plane and curved surfaces; stability of dams; flotation and metacenter; flow of water through orifices, over weirs, in pipes, and in open channels; elementary hydrodynamics.

408. Water Supply and Sanitary Engineering
Required of seniors taking the Civil Engineering Elective Course. Lieutenant-Colonel Anderson.
A brief survey course. Sanitation; consumption of water; quality of water; source of supply; treatment of water; distribution. Sewerage; nature of sewage; quantity of sewage; methods of sewage disposal.

409. Practical Astronomy
Required of seniors taking the Civil Engineering Elective Course. Lieutenant-Colonel Anderson.
The celestial sphere; co-ordinate systems; astronomical instruments; determination of time, latitude, longitude, and azimuth; some field work.

410. Water Power Engineering
Required of seniors taking the Civil Engineering Elective Course. Lieutenant Nettles.
Relationship of water power to other sources of power; surveys and investigations to determine feasibility of power projects; stream flow, topography, geological features, location of dams, types of machinery, and other factors affecting design and feasibility of proposed developments; industrial development in relation to power resources; rural electrification; decentralization of industry; regulation of power companies, rate-making, and taxation.

412. Thesis
Required of seniors taking the Civil Engineering Elective Course. Six hours a week.

To show that he has acquired a knowledge not only of engineering theory but also of the characteristic manner in which the engineer works, each senior is required to select some topic on which a report is to be made. While independent research obviously is not required, it is expected that a survey of the literature of the subject will be made and such other investigations and assembly of material as may be necessary to prepare a well-organized, informative, and authentic report. Every senior will be assigned to some member of the Department teaching staff for advice and supervision of this work.

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

LIEUTENANT-COLONEL PROUTY.....*Professor*
LIEUTENANT RALYA.....*Assistant Professor*

The courses in Education are designed (1) to meet the usual state requirements for teachers in the secondary schools and (2) to present the facts concerning our present knowledge of education and the modern problems of education as matters of general social, as well as professional, interest.

The courses in Psychology are designed to help the student to understand himself and other people better both as individuals and as human beings in a social environment.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

Education

301. Introduction to Education
Elective for juniors. Lieutenant Ralya.
The historical development of educational institutions with emphasis upon the various forces which have shaped the American school system. A survey of the modern organization and administration of our school system. Consideration of some current educational problems and the bearing of educational research on these problems.

302. Educational Psychology
Elective for juniors. Lieutenant Ralya.
The application of psychological principles to education. Study of the mental and social development of the individual, the relative importance of heredity and environment, individual differences, the nature and principles of learning, transfer of training, and mental hygiene.

303. Secondary Education
Elective for juniors and seniors. Lieutenant Ralya.
Comparison of secondary education in America and European countries. The historical development of the American high school. Consideration of aims and objectives, curriculum, organization, selectivity, and general methods.

304. Classroom Management
Elective for juniors and seniors. Lieutenant Ralya.
Practice in organizing teaching materials; consideration of various means for systematizing classroom routine and for keeping adequate records; important problems of student discipline; the use of standardized tests; practice in the construction of valid class room tests.

Note: The work in this course is individualized to suit the specific needs of students in accordance with the subjects which they are planning to teach.

305. Principles of Teaching in the High School
Elective for juniors and seniors. Lieutenant Ralya.
Principles underlying the motivation and direction of study, the organization of subject-matter, methods of presentation, provision for individual differences, the building of attitudes and appreciations, and the measurement of the products of learning.

306. Educational Philosophy
Elective for juniors and seniors. Lieutenant Ralya.
Traditional philosophy and the philosophy of experimentalism. The importance of educational philosophy as a determinant of educational practice. Consideration of some criteria of a democracy and the application of these criteria to several current philosophies of education.

Psychology

201, 202. General Psychology.
Elective. Lieutenant Ralya.
The course aims to present the more generally known and accepted facts of modern experimental psychology

with the purpose of leading the student to approach objectively the problem of understanding himself and other people, especially in connection with the adjustments necessary between individual needs and demands of the environment.

301. Social Psychology
Elective for juniors and seniors. Lieutenant-Colonel Prouty.
The social features of individual behavior and the relation of the individual to the social order.

302. Social Problems
Elective for juniors and seniors. Lieutenant-Colonel Prouty.
The more outstanding problems of contemporary life, from the point of view of social trends and individual reactions. The etiology of these problems and suggested ways of meeting them.

401. Pre-Medical General Psychology
For senior pre-medical students. Lieutenant Ralya.
The nature of external and internal stimuli and the functioning of the receptors, the central and autonomic nervous systems, the muscular effectors, and the ductless glands. The nature of intellectual and emotional processes.

402. Pre-Medical Abnormal Psychology
For senior pre-medical students. Lieutenant Ralya.
Structural and functional disorders connected with sensation, perception, and association. The bases of intellectual and emotional abnormalities. Theories of personality. Study of the common neuroses and psychoses. Prevention of mental disorders.

DEPARTMENT OF ENGLISH

MAJOR WILES.....*Professor*
CAPTAIN HARRISON.....*Associate Professor*
CAPTAIN ACHURCH.....*Assistant Professor*
CAPTAIN SANDERS.....*Assistant Professor*
LIEUTENANT MCDAVID.....*Assistant Professor*
*LIEUTENANT SHOCKLEY.....*Assistant Professor*
LIEUTENANT COOK.....*Assistant Professor*
LIEUTENANT BROWN.....*Assistant Professor*
LIEUTENANT LINTON.....*Assistant Professor*

The objectives of this department are to make the student proficient in correct expression, whether written or spoken; to develop in him, through the reading and study of the great literature of England and America, an appreciation of literature from the point of view of both content and technique; to make him aware of the immense value of literature to man, not only as a source of entertainment, but as a conveyor of wisdom, as the vast depository of human experience, as an interpreter of historical and social change, as the mirror of life from the earliest times to the present day; and to give to the student who chooses English as his special field a program of study fully adequate to the demands of a teaching career in the schools and to the pursuance of graduate study.

English is required of all students in freshman and sophomore years, and may be chosen as a major or minor study for junior and senior years.

A student who specializes in English is required to take English 203 (The English Language), in addition to 201, in the first semester of his sophomore year. If, for some legitimate reason, he cannot take 203 in his sophomore year, he must take it in his junior year. In junior and senior years he must take two courses in English each semester. English 401, 402 (Shakespeare) and English

*On leave of absence, 1937-38.

403, 404 (American Literature) are required courses; otherwise the student is free to choose from the courses offered by the Department in any given year. It should be noted, however, that 205, 206 (Public Speaking) and 312 (Comparative Literature) are not courses which fulfil requirements for major work.

In addition to his departmental program, the student is required to take four years of foreign languages. He may take three years of French and one year of German, or two years of each language. He is also required to take History 301, 302 (The Middle Ages) in his junior year, in order to complete his perspective of European history.

The elective courses outside the Department (one in junior year, two in senior year) are to be chosen in consultation with the Professor of English.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. Composition and Introduction to Literature Required of all freshmen. Four or six hours a week, depending upon the student's needs as determined by a test given during freshman week. Major Wiles, Captain Harrison, Captain Achurch, Captain Sanders, Lieutenants McDavid, Shockley, Cook, Brown and Linton.

A. COMPOSITION. This part of the freshman course aims to train the student in correct and effective writing. It includes a review of grammar and punctuation, a systematic enlargement of the student's vocabulary, and constant practice in writing and analyzing paragraphs and themes.

B. INTRODUCTION TO LITERATURE. The purpose of this part of the course is to give the student a thorough knowledge of the fundamental characteristics of the main types of literature. From outstanding literary works of the nineteenth and twentieth centuries examples of bio-

graphy, the essay, the novel, the short story, drama, and poetry will be studied.

201, 202. A Survey of English Literature
Required of all sophomores. Major Wiles, Captain Harrison, Captain Achurch, Captain Sanders, Lieutenants McDavid, Shockley, Cook, Brown and Linton.
The course traces the development of English literature from the Old English epic *Beowulf* to the beginning of the twentieth century. Representative works of significant authors of the major periods are studied and discussed. Frequent themes will be required, which shall express the student's personal thought as stimulated by the masterpieces studied.

203. The English Language
Required of sophomores specializing in English. Open to other sophomores and to juniors and seniors by instructor's permission. Lieutenant Shockley.
This course is intended for students who wish to learn something of the infinite variety and complexity of the English language; to know more about the derivation, pronunciation, form, and meaning of English words; to understand in an elementary way the historical background of the English language and the historical bases of modern English usage.

205, 206. Public Speaking, Argumentation, and Debate
Open to sophomores, juniors, and seniors. Enrollment limited to forty. Lieutenants Shockley and Cook.
This course presents the fundamentals of public speaking: standards of pronunciation, of phrasing, of delivery; methods of preparation of speeches; the art of persuasion; logical forms of argument. Much practice in speaking.

The following courses are given in alternate years. Starred courses are offered in 1938-1939; unstarred courses, in 1939-1940.

**301. English Literature of the Seventeenth Century*
Open to juniors and seniors. Lieutenant McDavid.

The century will be studied as a period important both in itself and as a transition from the Elizabethan to the neo-classical age. A study will be made of the rise of English prose as a literary vehicle. In poetry the students will be acquainted with the metaphysical, Cavalier, Puritan, and Restoration groups, particular attention being given to the major works of Milton.

**302. Chaucer*

Open to juniors and seniors. Captain Achurch.

This course is designed to give an introduction to Chaucer, his language, his narrative skill, and his mastery of poetic forms. The reading includes "The Prologue" and representative tales from *The Canterbury Tales, Troilus and Criseyde,* and some of the minor poems. Short classroom reports, based on collateral reading, and a term paper are required.

303. English Literature of the Eighteenth Century

Open to juniors and seniors. Major Wiles.

A study of some of the best poetry and prose from Swift to Burns, with special emphasis upon Pope. Other authors considered are Addison, Steele, Fielding, Johnson, Chesterfield, Goldsmith, Gray, and Collins. Stress is laid on the literary and social ideas which these writers reflect. Written reports will be required.

304. The Romantic Movement

Open to juniors and seniors. Lieutenant McDavid.

This course attempts to show the changing attitudes toward life and art in the literature of the early nineteenth century, and to determine what the term *romanticism* implies in its application to each of the so-called Romantic poets. Principal emphasis will be given to the major poets of the age: Wordsworth, Coleridge, Byron, Shelley, Keats; less attention, to the Romantic antecedents of the later eighteenth century and to the critical essayists of the Romantic period.

305. The English Drama

Open to juniors and seniors. Lieutenant Shockley.

The purpose of this course is to survey the development of the English drama from the liturgical play of medieval times to the problem play of the present. Detailed study of representative masterpieces will be supplemented by parallel reading and reports.

306. Victorian Poetry

Open to juniors and seniors. Major Wiles.

A study of the important poets of the period from 1830 to 1900, and of the literary and philosophical tendencies which are reflected in their works. Special emphasis is placed upon Tennyson, Browning, and Arnold; Rossetti and Housman are treated more cursorily. Collateral reading and written reports will be required.

308. Contemporary English Poetry

Open to juniors and seniors, and to sophomores specializing in English. Captain Sanders.

The aims of this course are to introduce the student to the major poets of the twentieth century, to present recent poetry as an expression of the life and thought of our changing civilization, and to provide critical standards for future reading.

**309, 310. The English Novel*

Open to juniors and seniors. Captain Harrison.

This course aims to give the student some idea of the antecedents of the English novel, to acquaint him with the work of the best English novelists from Defoe through Hardy, and to teach him how to read a novel intelligently. Six novels will be read and discussed in each semester.

**312. Comparative Literature*

Open to juniors and seniors, and to sophomores especially qualified. Lieutenant McDavid.

The purpose of this course is to introduce the student, through standard translations, to masterpieces of litera-

tures other than English and American, and to emphasize the influence of these masterpieces on English and American writers. From six to eight authors will be studied, representing poetry, drama, novels, history, and philosophy of classical, Renaissance, and modern periods.

**401, 402. Shakespeare*

Open to juniors and seniors; required of those who specialize in English. Major Wiles.

The course seeks to develop the student's appreciation of Shakespeare as dramatist, poet, and interpreter of life. A study of the Renaissance, of the Elizabethan theatre, of Shakespeare's forerunners, and of his life forms a background for the discussion of the sixteen plays read. In the first semester short critical themes will be required; in the second, a term paper.

403, 404. American Literature

Open to juniors and seniors; required of those who specialize in English. Captain Harrison.

The aims of this course are to acquaint the student with the best writing of the best American authors from colonial times to the present, to indicate to him the intrinsic literary merits of this writing, and to show him how it reflects the development of the culture of his country. Each student will be required to do collateral reading, and to write a term paper in the second semester.

DEPARTMENT OF HISTORY

COLONEL WILLIAMS.....*Professor*
MAJOR COLEMAN.....*Associate Professor*
LIEUTENANT SKIPPER.....*Assistant Professor*
LIEUTENANT PRIOR.....*Assistant Professor*
LIEUTENANT GENTRY.....*Assistant Professor*

The Department of History endeavors to give the student an acquaintance with and an appreciation of our heritage from the past; to enable him to see causes and effects, contrasts and comparisons as shown in the rise of modern civilization; to develop his ability to think, feel, and act as an intelligent, unprejudiced, and loyal member of the community, state, and nation; to give him an accurate knowledge of the history of his own country and to familiarize him with its institutions and the democratic ideals that have influenced American life; to acquaint the student who elects history with the standard works in the various fields of history studied and to prepare him to pursue graduate work.

History 101, 102 is required of all students in the freshman class. In the sophomore year students taking the English, History, Political Science, or Modern Language Elective Course must take History 201, 202. In the junior year students who elect history as the subject of their major interest are required to take History 301, 302, 303, 304, 305, 306, and two other courses selected from those open to juniors and seniors. In the senior year they are required to take History 401, 402, 403, 404, 405, 406, 407, 408, and one other course from those open. Collateral reading and written reports are encouraged in the freshman course and required in the advanced courses. See tabulation of the curriculum for the History Elective Course under heading "Courses of Study."

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses

from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. A Survey of European Civilization
Required of all freshmen. Colonel Williams, Lieutenants Skipper, Prior, and Gentry.
After a survey of the contributions of the ancient world and of the Middle Ages to European civilization, the course proper deals with the important political, economic, social, and intellectual achievements from the beginning of the modern period to the outbreak of the Great War. Throughout the course everything touching English and American history is duly emphasized.

201, 202. History of Modern Europe, 1815-1937
Required of sophomores taking the English, History or Modern Language Elective Course. Lieutenant Prior.
A more intensive study of Europe since 1815 than that made in the freshman course. The text is supplemented by lectures to a greater extent than in History 101, 102, and more importance is attached to collateral reading. Special attention is paid to the Industrial Revolution, the rise of nationalism in Germany and Italy, the revolutionary influence of France, and the political progress of the principal European states. The causes of the Great War and the temporary settlement of 1920 are studied. Throughout the course attention is directed to the conditions under which the various movements were carried on. As in the preceding course, everything touching English and American history is stressed.

301, 302. The Middle Ages, 395-1500
Required of juniors taking the History or English Elective Course. Lieutenant Prior.
The institutions, life, and thought of Europe from the disintegration of the Roman Empire to the rise of the modern states; the influence of this period in the development of our modern life. Special emphasis given to the Renaissance and the Reformation.

303, 304. A Survey of American History
Required of juniors majoring in History or Government. Lieutenant Skipper.
This course reviews very briefly the domestic life of the English colonists. As the conflict between the imperial and colonial interests develops, relatively greater stress is placed upon those factors that led to the Revolution. After independence the political experience of the American people, the growth of the feeling of nationalism; territorial expansion; the westward movement; the rise of sectionalism; industrial, agricultural, commercial expansion; the causes and results of our various wars; and our cultural progress are emphasized.

401. Hispanic America
Required of seniors majoring in History or Government. Lieutenant Skipper.
A survey of the economic, cultural, and political development of Republican Hispanic America. While the twenty republics are studied as a unit, the individuality of each is sufficient to warrant special attention. Therefore, the student is encouraged, in his collateral reading, to concentrate on some one country.

402. Diplomatic History of the United States
Required of seniors majoring in History or Government. Lieutenant Skipper.
This course emphasizes the ideals and principles which have actuated American diplomacy and the controversies with other nations that have arisen therefrom; the problems that have grown out of commercial and territorial expansion; and the international complications brought on by the Civil War, isolation, and intervention.

403, 404. English History
Required of seniors taking the History Elective Course. Colonel Williams.
The history of England from its origin to the present time. Special attention is given to the formation of the

English Constitution in the Middle Ages, to the growth of the limited monarchy, and to the evolution of Parliament. The characteristic institutions of the English political system and their influence upon other peoples are emphasized. Throughout the course the social and economic factors which conditioned political changes are stressed.

Political Science

The curriculum of political science is so arranged as to give the student a background in the political, social, and economic developments of the nation. It cuts across departmental lines with the view of preparing him for effective leadership, or of supplying him with the basic training for public service—foreign and domestic. At the same time, he is prepared for graduate study in political science, or for the study of law. It should also be useful to those who plan to enter the field of journalism.

This curriculum is under the supervision of the History Department. Those selecting it as a major study take the same subjects through the sophomore year as all A. B. candidates, with the single exception of *Political Science 201, 202* (American Government and Politics) which must be elected in the sophomore year. *For the requirements in the junior and senior years, see tabulation of the curriculum for the Political Science Elective Course under the heading "Courses of Study."*

201, 202, or 301, 302. American Government and Politics Open to juniors and seniors. Required of sophomores taking the Political Science Elective Course. and of juniors taking the History Elective Course. Major Coleman. A comprehensive survey of the American political system is undertaken in this course. A careful study is made of the structure and operation of federal, state, and local institutions. It aims to develop in the student an appreciation of the underlying principles and to give him an insight into the responsibilities of citizenship.

303, 304. International Law
Required of juniors taking the Political Science Elective Course. Major Coleman.
This course outlines the development of those principles of law generally recognized as governing the intercourse of modern states. It embraces a study of the general principles of public international law; of the legal relations of states and of individuals, as developed by positive agreement in the form of treaties; by common usage, as shown in legislation, in decisions of municipal courts in the United States and abroad and of international tribunals; and by diplomatic practice and the conduct of nations.

305. Political and Economic Geography
Required of all juniors taking the Political Science Elective Course. Lieutenant Gentry.
This course is designed to acquaint the student with the economic resources of the world and to show how geographical factors influence the economic and political policies of nations. Problems arising out of the World War, the struggle for raw materials, markets, and trade, overpopulation and emigration, and the occupation and utilization of the tropics will be considered.

401, 402. The American Constitution
Required of seniors taking the Political Science or History Elective Course. Open to other seniors who receive permission of the instructor. Major Coleman.
This course begins with a study of the English and colonial origins of the American governmental system. With a view to an appreciation of the underlying philosophy and basic principles of the Constitution, attention is given to the part which social, economic, and political conditions played in the framing and adoption of the organic law. The second semester is devoted to a study of the decisions of the Court which have served as landmarks in the development of the American constitutional system.

Emphasis is placed upon problems of the present day.

403, 404. Comparative Government and World Politics
Open to juniors and seniors. Required of seniors taking the Political Science or History Elective Course. Major Coleman.
An analytical and comparative study is made of the organization and present operation of the principal governments of the world. Special attention is given to recent and contemporary political movements and developments, with a view to preparing the student for a more intelligent understanding of those problems which are of most importance in the current international situation.

405, 406. Sociology
Open to juniors and seniors. Required of seniors taking the Political Science Elective Course. Lieutenant Gentry.
First semester: Social Organization. This is a study of social institutions. The factors and processes influencing the origin, development, form, and function are dealt with.
Second semester: Social Disorganization. Such pathological problems as crime, suicide, divorce, etc., which lead to personal and social disorganization, will be considered.
Students who elect political science as the subject of their interest are required to take History 201, 202, 303, 304, 401, and 402. These courses are described above in the history group.

DEPARTMENT OF MATHEMATICS

LIEUTENANT-COLONEL HAIR.....*Professor*
MAJOR MYERS.....*Associate Professor*
CAPTAIN SAUNDERS.....*Assistant Professor*
LIEUTENANT DYE.....*Assistant Professor*
LIEUTENANT BARONE.....*Assistant Professor*
LIEUTENANT HOLT.....*Assistant Professor*
LIEUTENANT ROYALL.....*Assistant Professor*
LIEUTENANT REVES.....*Assistant Professor*

The Mathematics Department offers courses designed to meet the basic mathematical needs of students who are majoring in other fields. It is the purpose of the department to offer students who are taking their major work in mathematics such courses as will qualify them to teach in secondary schools, to enter graduate schools in full standing, and to enter technical laboratories of industry.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. Mathematical Analysis

Required of all freshmen. Five hours per week. Lieutenant-Colonel Hair, Major Myers, Captain Saunders, Lieutenants Dye, Barone, Holt, Royall, and Reves.

This course is planned to give as broad a view as possible of the field of mathematics to students who will do no further work in this department and at the same time to afford suitable preparation for those students who may elect to continue the study of mathematics. Algebra and trigonometry will be emphasized.

201, 202. Plane Analytical Geometry; Differential and Integral Calculus

Required of students in the Mathematics, Engineering,

Physics, and Chemistry Elective Courses. Five hours per week. Lieutenants Barone, Holt, Royall, and Reves.
The work in analytic geometry includes a study of the straight line, the conics, change of co-ordinate axes, polar co-ordinates, and parametric equations. The work in the calculus is a study of the processes of differentiation and integration and their applications.

301. Intermediate Calculus and Solid Analytic Geometry
Required of juniors in the Mathematics, Engineering, Physics, and Chemistry Elective Courses. Lieutenant-Colonel Hair, Lieutenants Royall and Reves.
This course is a continuation of Mathematics 201 and 202. The topics considered are space geometry, partial derivatives, multiple integrals, and infinite series.

302. Differential Equations
Required of juniors in the Mathematics, Engineering, and Physics Elective Courses. Lieutenant-Colonel Hair, Lieutenants Royall and Reves.
This course is the study of the principles and devices which are used in solving most of the differential equations met within the field of mechanics, electricity, and engineering.

303, 304. Higher Mathematics
Open to students who have had Mathematics 301 and 302, or who are taking these courses concurrently. Lieutenant Dye.
Selected topics such as Theory of a Complex Variable, Elliptic Integrals, Fourier's Series, Theory of Equations, Partial Differential Equations, and Vector Analysis will be studied with a view to their uses in the fields of science.

305, 306. Junior Reading Course
Open to properly prepared juniors with the consent of the instructor. Lieutenant Dye.
Courses will be arranged in the fields of analysis, algebra, geometry, and applied mathematics in accordance with

the needs and interests of individual students. Written reports and a comprehensive examination on the material covered will be required.

401, 402. *Not given in* 1938-1939.

403, 404. *Not given in* 1938-1939.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

LIEUTENANT-COLONEL HOLLIDAY.....*Professor*
LIEUTENANT-COLONEL PACKARD.....*Associate Professor*
LIEUTENANT-COLONEL BROWNELL.....*Associate Professor*
MAJOR MCGEE.....*Assistant Professor*
MAJOR KIRK.....*Assistant Professor*
CAPTAIN PATRICK.....*Assistant Professor*
CAPTAIN ROBINSON.....*Assistant Professor*

Military training is required of all students whether or not enrolled in the R.O.T.C. Instruction is conducted in the classroom and on the drill field.

The mission of the R.O.T.C., as defined by the War Department, is:

> "To awaken in the student an appreciation of the obligations of citizenship, to prepare him as a leader whether in peace or war."

The R.O.T.C. Course is divided into two sub-courses of two years each, viz., a Basic Course and an Advanced Course.

Purpose of the Basic Course:

> "To give the students a knowledge of the fundamental training requirements of his arm or service and to qualify him to instruct untrained civilians in the duties of privates, corporals, and sergeants."

Purpose of the Advanced Course:

> "To qualify the student for a commission in the Officers' Reserve Corps."

The Advanced Course includes obligatory attendance at one Summer Training Camp of six weeks' duration, usually at the end of the junior year.

Cadets entering the Freshman Class pursue the 1st Year Basic Course. New students enrolling in other than the Freshman Class who desire credit for such ROTC training as they may have had elsewhere must, at the

time of enrollment, submit to the P.M.S.&T., The Citadel, a copy of their 'Student's Record' (W.D. Form No. 131) attested by the P.M.S.&T. of the school or college previously attended. This report will be used in determining what credit may be allowed the new student toward his ROTC course.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

101, 102. First Year Basic Course
Required of all freshmen.

INFANTRY
National Defense Act & ROTC
Obligations of Citizenship
Military History & Policy
Customs & Courtesies
Sanitation & First Aid
Military Organization, General & Infantry
Map Reading
Rifle Marksmanship
Leadership

COAST ARTILLERY
National Defense Act
Obligation of Citizenship
Military History & Policy
Organization of the Army
Organization of the Coast Artillery
Military Dicipline, Courtesies & Customs of Service
Military Sanitation & First Aid
Rigging
Rifle Marksmanship
Leadership
Coast Artillery Ammunition
Weapons & Material, SC
Weapons & Material, AA

201, 202. Second Year Basic Course
Required of all sophomores.

INFANTRY
Interior Guard Duty (E)
Characteristics of Infantry Weapons
Automatic Rifle
Musketry
Scouting & Patrolling
Combat Principles, Squad & Section
Leadership

COAST ARTILLERY
Leadership
Fire Control, Position Finding
Basic Gunnery, FC & PF, AA (Part I)
Identification of Aircraft
Characteristics of Naval Targets
Motor Transportation
Interior Guard Duty (Elective)
Map Reading

301, 302. First Year Advanced Course

Required of all juniors.

INFANTRY

Aerial Photographs
Machine Guns
Howitzer Company Weapons
Rifle Marksmanship—
Review
Pistol
Leadership
Motor Vehicles, Care &
Operation of
Administration 1 & 2
Defense Against Chemical
Warfare
Combat Principles

COAST ARTILLERY

Military History & Policy
Military Law 1 & 2
O.R.C. Regulations
Tanks & Mechanization
Combat Intelligence
Infantry Signal
Communications
Combat Principles
Leadership
Anti-aircraft Defense
Property, Emergency Pro-
curement, & Funds
Anti-Tank Defense
Combat Training

401, 402. Second Year Advanced Course

Required of all seniors.

INFANTRY

Property, Emergency Pro-
curement, & Funds
Military Law
Military History & Policy
Leadership
Orientation
Combat Orders & Solution
of Problems
Field Fortifications for SCA
Tech. & Elementary Tactics,
SCA
Tech. & Elementary
Tactics, AA
Mechanization
Officers' Reserve Corps
Administration
Chemical Warfare
Signal Communications
Motor Transportation

COAST ARTILLERY

Administration
Aerial Photo Reading
(Part II)
Defense Against Chemical
Warfare
Leadership
FC & PF, SCA (Part II) &
Applied Gunnery
B.Gun., FC & PF, AA (Part II)
& Applied Gunnery
Signal Communications, C. A.
Orientation
Pistol Marksmanship
Motor Transportation

DEPARTMENT OF MODERN LANGUAGES

MAJOR WILSON.....*Professor*
*MAJOR DUFOUR.....*Associate Professor*
CAPTAIN PRICE.....*Assistant Professor*
LIEUTENANT BRUNJES.....*Assistant Professor*
DR. TELLE.....*Instructor*

The objectives of the Department of Modern Languages are to furnish students who major in this branch a thorough knowledge of written and spoken French, a good understanding of the important writers and literary movements in France since the early part of the seventeenth century, and proficiency in a second language and literature, Spanish or German, so that they may be competent to teach languages in secondary schools or to pursue graduate work in languages.

Students who elect languages as their major field must take French 303, 304 after the completion of French 204 or 302. In addition they must take either Spanish 101, 102 and 203, 204, or German 201, 202 and 303, 304. A thorough grounding in these languages is offered with extensive reading and a survey of the respective literatures. Students wishing to take languages as a minor may elect any course for which they have taken the prerequisites. German 301, 302 is a course offered only to those students who are doing their major work in science and who wish to acquire some knowledge of scientific German.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

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*On leave of absence, second semester, 1937-1938.

French

101, 102. Elementary French
For freshmen who elect French and have entered The Citadel with less than two units in that language.
The elements of French grammar with constant drill in pronunciation; dictation; reading and writing of simple French.

103, 104. Intermediate French
For freshmen who elect French and have entered The Citadel with two or more units in that language.
French literature is introduced by selected readings from nineteenth century authors. Composition and conversation work based on the reading matter.

201, 202. Intermediate French
For sophomores who have completed 101, 102.
The elements of French grammar are completed. Composition and conversation based on intermediate texts are designed to increase the student's vocabulary and facilitate his use of the language.

203, 204. Introductory Survey of French Literature
For sophomores who have completed 103, 104.
A brief history of French literature forms the basis for the course.
Readings from an anthology give the student examples of the chief works of each period studied. All of the readings and much of the classroom work are done in French.

301, 302. Survey of French Literature
Required of juniors taking the Modern Language Elective Course, unless they have completed 203, 204.
Selected readings from representative authors form a general survey of French literature from its beginnings to modern times. The student is encouraged to read extensively and to present reports in French for classroom discussion.

303, 304. French Composition and Conversation
Required of seniors taking the Modern Language Elective Course.
Open to sophomores, juniors, and seniors who have completed 103, 104 or 201, 202 with a grade of A or B.
Essentially a course in grammar review, composition, and conversation, designed to promote ease and fluency in the use of written and spoken French. Clarity and accuracy of expression are the objectives of this course.

401, 402. Introduction to French Classical Drama
Open to juniors and seniors who have completed 203, 204 or 301, 302.
Brief introductory lectures on French drama before Corneille and the formation of French Classicism. Special emphasis is placed on the works of Corneille, Moliere, Racine, and Boileau, and, time permitting, the transition from seventeenth to eighteenth century thought is traced. Collateral readings and reports are required. Lectures in French.

403, 404. Eighteenth Century French Literature
Open to seniors and juniors who have completed 203, 204 or 301, 302.
The development of philosophical thought in the eighteenth century is traced through the writings of Montesquieu, Voltaire, and Rousseau. The beginning of Romanticism with J. J. Rousseau is linked with later developments in the writings of Mme. de Stael and Chateaubriand. Collateral readings and reports required. Lectures in French.

405, 406. Modern French Literature
Prerequisites: 203, 204 or 301, 302.
The chief literary movements of the past fifty years are studied through the writings of representative authors. Reports and discussion groups are designed to promote interest and appreciation of recent French writings.

German

201, 202. Elementary German

Required of sophomores taking the Chemistry, Physics, or Pre-Medical Elective Course. Open to other sophomores.

Pronunciation and the elements of German grammar. Written and oral exercises designed to give the student a practical command of the language. Translation of simple German into idiomatic English.

301, 302. Scientific German

Required of juniors taking the Chemistry, Physics, or Pre-Medical Elective Course. Open to other juniors taking science courses who have had German 201, 202.

The grammar begun in German 201, 202 is completed, and the greater part of the time is devoted to the translation of scientific German relating to biology, physics, and chemistry. Special stress is placed on sentence structure and word building.

303, 304. Intermediate German

Open to juniors who have completed German 201, 202. Required of juniors taking the Modern Language Elective Course.

A survey course of the literature of the Classical Period, with special emphasis on representative works of Lessing, Schiller, and Goethe. The grammar begun in German 201, 202 is completed.

401, 402. German Drama of the Nineteenth Century

Prerequisite: German 201, 202, and German 301, 302 or German 303, 304.

Representative works of the more outstanding dramatists of the nineteenth century will be read, with special emphasis on the plays by Werner, Kleist, Grillparzer, Hebbel, Ludwig, Anzengruber, and Hauptmann. There will be assigned reading and reports.

Spanish

101, 102. Elementary Spanish
Essentially a drill course designed to facilitate the reading, writing, and speaking of simple Spanish.

201, 202. Business Spanish
Intermediate Spanish for students primarily interested in Business Administration and in South America. Historical, geographical, and cultural writings on Central and South America form the basis for classroom discussion and composition in Spanish.

203, 204. Spanish Literature
Intermediate Spanish for students interested in comparative literature. The chief literary trends are analyzed, and selected readings from the works of nineteenth century writers furnish materials for class work in Spanish composition and conversation.

301, 302. Advanced Spanish
Students who have mastered the elements of the language and show special aptitude for advanced work in composition and conversation may elect this course with the consent of the instructor. Word study and intensive analysis of outstanding literary works give the able student a thorough preparation for teaching in secondary schools or for more extensive reading of Spanish.

DEPARTMENT OF PHYSICS

COLONEL SMITH.....*Professor*
CAPTAIN RAZOR.....*Associate Professor*
LIEUTENANT ANDERSON.....*Assistant Professor*
LIEUTENANT VINTI.....*Assistant Professor*
LIEUTENANT COMSTOCK.....*Assistant Professor*
LIEUTENANT HANSON.....*Assistant Professor*

It is the purpose of the Department of Physics to offer to all students at The Citadel a fundamental course in one of the basic physical sciences, to afford to pre-medical students an adequate preparation in physics for admission to the best medical schools, and to offer to students specializing in other departments such advanced courses in physics as are necessary to meet their needs. To students taking their major work in the Department, it offers a program of courses sufficient to enable them to enroll as graduate students in full standing at the leading universities. To students interested in the profession of electrical engineering it aims to give such an introduction to the subject as will enable them to secure technical positions in this field, or to complete the work in the best schools of engineering in two years.

The Department occupies the second floor and part of the first floor of the east wing of Bond Hall. On the second floor are two lecture rooms, two general laboratories, apparatus rooms and laboratories for special purposes. On the first floor are located the workshop, dynamo laboratory, and storage-battery room. The arrangement and equipment of the laboratories and lecture rooms are modern and complete. A good supply of apparatus and measuring instruments gives excellent facilities for individual experiment and demonstration work.

Students taking the Physics Elective Course as their major work are expected to take a total of forty-four semester hours in the department including all the courses

offered except 305, 306, 407 and 408. They should also take Mathematics 101, 102, 201, 202, 301 and 302. They are advised to include Mechanical Drawing (Engineering 101, 102), Chemistry 201, 202, and German 301, 302, among their electives.

Freshman courses are numbered from 101 upward, sophomore courses from 201 upward, junior courses from 301 upward, and senior courses from 401 upward. Odd numbered courses are offered in the first semester; even numbered, in the second. All courses are three hours a week unless otherwise designated.

201, 202. Introduction to College Physics

Required of all sophomores. Recitations, three hours a week; laboratory practice, two hours a week. Colonel Smith, Lieutenants Anderson, Vinti, Comstock and Hanson.

Assumes no previous knowledge of physics; covers the less mathematical portion of mechanics, heat, and electricity. The laboratory work consists of about thirty individual quantitative experiments based on the fundamental principles studied in the lecture room.

301, 302. Advanced General Physics

Junior elective. Lectures and recitations. Colonel Smith. A continuation of Physics 201, 202; covers those portions of mechanics, heat, and electricity not included in the earlier course, and an introduction to the study of sound and light. Mechanics and heat are studied during the first semester; electricity, sound, and light, during the second.

303, 304. Laboratory Physics

Junior elective. Six hours a week. Lieutenant Vinti.

Except for necessary explanation, discussion and problem work based on the experiments, the entire time is devoted to laboratory work. The experiments are of a more advanced character than those in Physics 201, 202 and involve the use of most of the standard instruments of physical measurement. About seventy experiments are performed, affording a study from the laboratory

standpoint of most of the topics considered in Physics 301, 302.

305, 306. Laboratory Physics for Pre-Medical Students
Required of all pre-medical students. Laboratory work, six hours a week. Lieutenant Anderson.
Designed to meet the requirement in laboratory physics for admission to the best medical schools. About sixty-five individual, quantitative experiments are performed, dealing with molecular physics, heat, electrolysis, measurements of electromotive force, current, resistance and capacitance, and simple experiments in sound and light.

401, 402. Advanced Physics
Senior elective. Lectures and recitations, three hours a week; laboratory work, six hours a week. Colonel Smith, Lieutenant Anderson.
The subject matter will be varied from year to year to meet the needs of the students electing the course. For 1937-1938, the course is as follows:

401. Wave Motion, Sound and Light.
The general equations of wave motion developed and a study made of their application to sound and light. The velocity of sound and of light waves, reflection, refraction, dispersion, diffraction, interference and polarization studied in theory and by experiment. The laboratory work consists of about eight experiments in sound and about twenty-five in light.

402. Selected Topics in Modern Physics
Maxwell's electro-magnetic theory developed and contrasted with quantum theory; variation of mass with velocity; reaction between mass and energy; thermionic emission; photo-electric effects; charge and mass of the electron; X-rays; atomic structure; vacuum tubes and their practical applications.

403. Electrical Engineering
Senior elective. Lectures and recitations, three hours a

week. Captain Razor.
An introductory course in direct current electrical engineering including flux, toque, current, electromotive-force and speed relations in self-regulating machines, and control of motors and generators. Power losses and efficiency of machines, commutation and armature reaction, and magnetic and electric circuit calculations. The text is supplemented by studies in thermo-electricity, simple transients, theory and design of electric motors, the location of faults in cables, and absolute measurements of electrical quantities.

404. Electrical Engineering
Senior elective. Lectures and recitations three hours a week. Captain Razor.
An introductory course in alternating current electrical engineering, involving the analytical and vector treatment of harmonically varying electromotive forces, currents and power in any combination of resistance, inductance and capacitance. A short introduction to distorted wave-forms and their analysis by Fourier's series is included. Calculations of balanced and unbalanced polyphase circuits are emphasized. Construction, theory, design, and operation of alternators, motors, transformers, converters, and control equipment are studied. The complex variable method of circuit solutions is introduced.

405, 406. Electrical Engineering Laboratory
Senior elective, Laboratory work, six hours a week. Captain Razor and Lieutenant Comstock.
A laboratory course in electrical engineering covering experimentally all of the material in courses 403 and 404. The student is required to make many oscillograms in the study of circuits and machines and in the investigation of transients.

407, 408. Electrical Engineering
Required of all seniors in Civil Engineering.

Lectures or recitations, two hours a week; laboratory work, two hours. Captain Razor.

An elementary course treating the material of courses 403, 404 less fully. The course is designed to give the student of civil engineering an acquaintance with the fundamentals of electrical engineering. Familiarity with commercial machines is gained by operation and testing in the laboratory.

The writing of an acceptable term paper on a topic associated with his major field of study and approved by the head of the department is required of every student in the Physics Elective Course during the second semester of his senior year.

DEPARTMENT OF CADET AFFAIRS

MAJOR D. S. MCALISTER.....*Director*
MR. T. W. GRESSETTE..... *Athletic Director and Head Football Coach*
MR. A. W. NORMAN.....*Assistant Coach*
MR. H. B. BRACKETT.....*Assistant Coach*
MR. J. HANDRAHAN.....*Assistant Coach*
MR. H. L. MATTHEWS.....*Assistant Coach*

This department has two objectives: (1) to furnish facilities which will increase the comfort of cadets, (2) to augment the training given by the departments of instruction.

In attaining the first of these objectives, the department sees to it that efficient service is provided by the pressing club, tailor shop, barber shop, and canteen.

In attaining its second objective, the department supervises the athletic, social, musical, and literary activities of cadets.

Athletics are directed by the Board in Control of Athletics.

All other cadet activities are directed by the Cadet Activity Committee and its sub-committees. Cadets, faculty members, and some alumni co-operate in the work of this committee.

The Director of Cadet Affairs is secretary of this committee and of its sub-committees. He is also executive manager and treasurer of all cadet activities.

All moneys received by him are acknowledged by receipt and deposited in the bank to the credit of the activity concerned. Withdrawals are made by check with the approval of the president of The Citadel. Accounts are audited monthly.

To help support the activities each cadet pays annually a Cadet Activity Fee of $18.50. This sum is allocated as follows: to the athletics, $11.00; to the cadet newspaper, the *Bull Dog*, $1.00; to the cadet literary magazine, the *Shako*, and forensics, $1.00; to the cadet annual, the *Sphinx*, $2.00; to the Y. M. C. A., $2.50; and to the orchestra, the glee club, and the band, $1.00.

Athletics

BOARD IN CONTROL OF ATHLETICS

LIEUTENANT-COLONEL HOLLIDAY----------*Chairman*
LIEUTENANT-COLONEL PROUTY ----------*Member*
LIEUTENANT-COLONEL LEWIS ----------*Member*
MAJOR MCALISTER ----------*Secretary-Treasurer*
MAJOR BYRD ----------*Member*
MR. FRANCIS KING----------*Cadet Member*
MR. C. S. MONTIETH, JR.----------*Alumni Member*
MR. F. P. SESSIONS----------*Alumni Member*
MR. W. B. METTS----------*Alumni Member*

Since the fullest advantages of academic and military life can be derived only by men of sound physique, every cadet is encouraged to participate in sports so far as his participation will not interfere with the performance of his duties. Wellington's remark that the battle of Waterloo was won on the playing fields of Eton is even more applicable in the twentieth century than it was in the nineteenth. In our complex, interdependent society the lessons of loyalty, cooperation, and self-sacrifice learned in athletics are of paramount significance.

The members of the athletic staff are competent and experienced coaches, who use due precautions to prevent injuries in training or in contests. A physician is in attendance at every scheduled athletic event.

It is the policy of The Citadel to give every reasonable encouragement to the physical development of cadets. The climate of Charleston permits open-air exercises throughout the year, so that the program of daily drill, calisthenics, and intramural sports serves to promote bodily health and growth.

In the 1936-37 session an extensive program of intramural athletics was inaugurated to assure every cadet an opportunity to participate in some form of organized sport. Keen interest has been exhibited in the intercompany competition in football, basketball, boxing,

wrestling, tennis, golf, and other sports.

The facilities for athletics are adequate to the needs of the institution and are constantly being improved. At present the athletic plant consists of a modern gymnasium, two football fields, an outdoor swimming pool, a nine-hole golf course, a rifle range, six tennis courts, a quarter-mile cinder track with a 220-yard straightaway, and quarters for the entertainment of visiting teams. Cadets may arrange to take private riding lessons at a moderate cost.

The Citadel is a member of the Southern Conference. Teams are organized for intercollegiate competition in football, baseball, fencing, tennis, golf, basketball, boxing, and track.

While intercollegiate sports are encouraged and supported by the authorities, they are firmly subordinated to the prescribed work of the college and nothing is permitted that will hamper the progress of the cadets in their studies or introduce irregularities into the routine of the institution.

Boating

The location of The Citadel on the banks of the Ashley River provides natural facilities for water sports. A group of cadets interested in sailing have built a wooden trestle to provide a dock for their boats. The college plans to dredge a channel basin in which cadets may safely keep their boats without cost.

Federal regulations for the safety of sailing and motor craft will be strictly enforced.

OTHER CADET AFFAIRS

Cadet Activity Committee

Mr. H. M. Smoak ..... *Cadet Chairman*
Lieutenant-Colonel Gaston ..... *Faculty Member*
Major Myers ..... *Faculty Member*
Major McGee ..... *Faculty Member*
Mr. Gressette ..... *Ex-Officio Member*
Mr. W. P. Wagoner ..... *Cadet Member*
Mr. J. R. Johnson ..... *Cadet Member*
Mr. W. T. Raby ..... *Cadet Member*
Mr. J. F. Risher ..... *Cadet Member*
Mr. R. B. Todd ..... *Cadet Member*
Major McAlister ..... *Secretary-Treasurer*

In the following paragraphs may be found complete descriptions of all the activities supervised by the Cadet Activity Committee.

Forensics

Three cadet societies offer opportunities for discussing subjects of interest and for developing proficiency in public speaking: the Calliopean Literary Society, the International Relations Club, and the Round Table.

The Calliopean Literary Society sponsors the forensic interests of the cadets, including radio speaking, intramural and inter-collegiate debating, and oratory. Membership is open to all cadets.

The International Relations Club is devoted to the study of contemporary world economic and political problems. Membership is restricted to those cadets especially interested in government and politics.

The Round Table is a discussion group with a limited membership. Elections are made from lists prepared by the faculty of those cadets with marked intellectual interests.

Musical Activities

The Cadet Orchestra, under the direction of Major C. F. Myers, Jr., furnishes the music for all of the informal

dances and is authorized to accept outside engagements during leave periods.

The Glee Club, under the direction of Mr. Ivar Skougaard, serves as the choir at Chapel services, renders programs in the Charleston churches and makes an annual trip to several colleges in the state.

Publications

The Bull Dog is published weekly by a staff of cadets. It is financed by an allotment of $1.00 per cadet from the cadet activities fees, augmented by the revenue from subscriptions and the sale of advertising space.

The Shako is published several times a year. It is supported by voluntary subscriptions, the income from advertisements, and an allotment of $1.00 per cadet from the Cadet Activities Fee.

The Sphinx is published annually by a staff of cadets. The purpose of this publication is to provide a permanent record of the activities of each session in order that memories and associations may be preserved. The Cadet Activities Fee provides an allotment of $2.00 per cadet for *The Sphinx.* This is supplemented by the sale of advertising space.

Social Functions

The Citadel dances form an important part of the social life of the corps. These dances are managed and controlled by cadet committees under faculty supervision. The regulations governing these dances are simple. Frequent informal dances are given, the music being furnished by the cadet orchestra. A small charge is made to defray the expenses of these informal dances.

There are five formal dances each year: the Thanksgiving Hop, the Christmas Hop, the Senior Hop, the Easter Hop, and the Commencement Hop. These are financed by the Class Fund, a fund made up of optional payments of $10.00 a cadet. A cadet paying this fee is admitted to these five dances without further charge.

Cadets who make separate payments for the individual dances find that the cost is much more. Patrons are urged to include the payment to the Class Fund in the first installment paid the quartermaster in order that the cadet may enjoy these dances at a minimum cost.

The Beach House, a modern beach hotel located on Folly Island, was first leased in 1936 to provide dressing facilities at the beach for cadets desiring to enjoy surf bathing and fishing at no charge. A caterer provides meals at reasonable prices.

Other Activities

The Cadet Services include a canteen, a barber shop, and a tailor shop. Profits are held to a minimum, and allocated to the various activities.

National Youth Administration projects under the management of Major C. F. Myers, Jr., provide part-time employment for cadets needing assistance in meeting college expenses. A cadet may earn an average of $15.00 per month under this program.

The Print Shop equipment is capable of printing for the departments of the college the stationery and forms needed in administration and provides employment for a number of cadets.

CADETS—SESSION 1937-1938

Senior Class

Name	Postoffice
Walter David Aston	Unionville, Conn.
Frederick Charles Ayer, Jr.	Seneca, S. C.
William LeRoy Bessinger	Bamberg, S. C.
Richard Lewis Bettien	Baltimore, Md.
James Madison Blake	Greenwood, S. C.
Sanford Deem Blazer, Jr.	Nocatee, Fla.
William Smith Bradley, Jr.	Greenville, S. C.
Leon Sloan Bradshaw, Jr.	Salisbury, N. C.
Frank Johnson Brand, Jr.	Florence, S. C.
William Johnson Brennan	Sumter, S. C.
Jack Johnston Broadhurst, Jr.	Smithfield,N. C.
Clarence Miller Brooks, Jr.	Greenville, S. C.
Rob George Brugh, Jr.	Bennettsville, S. C.
Wilson Robert Buie, Jr.	Sumter, S. C.
Frank McPherson Burdette, Jr.	Simpsonville, S. C.
Carver Thaxton Bussey	Florence, S. C.
Stephen Munger Byars, Jr.	Anderson, S. C.
Charles Chester Chervenie	Islip, N. Y.
Richard Mays Cleveland	Marietta, S. C.
William Allen Cobb	Louisburg, N. C.
James Francis Condon	Charleston, S. C.
Charles Gibson Cooper	State Park, S. C.
Richard Richards Coulter	Columbia, S. C.
George Otis Creed	Camden, S. C.
Thomas Richard Daniel	Augusta, Ga.
Joseph Edward Davis	Summerton, S. C.
Henry Deas, Jr.	Charleston, S. C.
Henry McCarty Duke, Jr.	Charleston, S. C.
Dan Kistler Dukes, Jr.	Orangeburg, S. C.
Robert Fulton Dukes, Jr.	Orangeburg, S. C.
Francis Hill DuRant	Georgetown, S. C.
Lyman Harvey Eddy	Travelers Rest, S. C.
Julius Maurice Efron	Aiken, S. C.
Roy Fanning, Jr.	Blackville, S. C.
Richard Lowman Fowler	Chesterfield, S. C.
Daniel Conrad Frank	Adams Run, S. C.
John Allard Gasque	Florence, S. C.
Charles Jack Girard	Sumter, S. C.
Charles Summer Haltiwanger	Columbia, S. C.
George Wallace Harmon	Prosperity, S. C.
David Springer Herbertson	Jacksonville, Fla.
Charles Lee Hightower, Jr.	Tigerville, S. C.
Earl Clayton Hipp	Whitmire, S. C.
Robert Francis Hodge	Savannah, Ga.
James Earle Holloway	Lake City, S. C.
Thomas William Hornsby	Columbia, S. C.
James Edward Horton	Belton, S. C.

CADET CHAPEL

Charles Timothy Howard---Greenville, S. C.
John Maurice Hughes, Jr.---Henderson N, C.
William Alphonse Hussey---Savannah, Ga.
William Romulus Jenkins---Franklinton, N. C.
William George Joe---Augusta, Ga.
Charles Robert Johnson---Anderson, S. C.
John Robert Johnson---Charleston, S. C.
Allen Jones, Jr.---Columbus, Ga.
William Oliver Kearse---Allendale, S. C.
William Richard Kendrick---Atlanta, Ga.
Samuel Rea Kilgore---Woodruff, S. C.
Francis Wilkinson King---Georgetown, S. C.
John Henry Klinck, Jr.---Pittsburgh, Pa.
William Francis Ladson---Moultrie, Ga.
George Lovic Lake---Kathwood, S. C.
Charles Malloy Lamont---Raeford, N. C.
Frank Templeton Lander, Jr.---Monroe, N. C.
Thomas Wannamaker Lane---Columbia, S. C.
Nathaniel Jeremiah Laney, Jr.---Bishopville, S. C.
Charles Dixon Lee, Jr.---Greenville, S. C.
Peter William Lempesis---Charleston, S. C.
Thomas LeRoy Lutz---Cambra, Pa.
Wesley Jenkins Lynes---Fairfax, S. C.
John Haddon McCord---Greenwood, S. C.
George Bray McMillan---Winter Garden, Fla.
Frank Thomas McNeill, Jr.---Charleston, S. C.
Walter Lee Manly---Greenville, S. C.
William Clinton Marrett, Jr.---Seneca, S. C.
Oliver Kenneth Marshall---Washington, D. C.
Lewis Bruno Meng---Avondale Estates, Ga.
John Howard Miller---Aurora, Ill.
Basel Manly Mixon, Jr.---Yemassee, S. C.
Robert Luther Morse---Sumter, S. C.
George Clyde Morton---Garden City, L. I., N. Y.
James Geary Morton---Garden City, L. I., N. Y.
Manning Lionel Nelson, Jr.---North, S. C.
Walter Samuel Noland---Charleston, S. C.
Norman Harold Nuttall---Lanett, Ala.
James Terrell Owen, Jr.---Elloree, S. C.
Lucas Carroll Padgett---Walterboro, S. C.
William Grayson Padrick, Jr.---Fort Pierce, Fla.
Harrison Lee Peeples---Scotia, S. C
Otis Benjamin Peeples---Estill, S. C
Edward Lloyd Perry, Jr.---Ridgeland, S. C.
Angelo Joseph Punaro---Augusta, Ga.
William Thomas Raby---Tarboro, N. C.
Louis Daniel Rhodes---Estill, S. C.
James Franklin Risher, Jr.---Bamberg, S. C.
Henry Woodrow Rittenberg---Charleston, S. C.
Herman Clarence Robinson---Charleston, S. C.
Orville Layne Rogers---Coral Gables, Fla.
Albert Junior Roose---Maumee, Ohio
Denton Carl Rountree---Barnwell, S. C.
Samuel Edward Saltzburg---Philadelphia, Pa.
James Parker Seawell---St. Pauls, N. C.

Clyde Ernest Shockley, Jr.---Pacolet, S. C.
John Lewis Simmons---Asheville, N. C.
Claude Wilson Smith---Florence, S. C.
Nathaniel Elmore Smith---Mullins, S. C.
Marion Hartzog Smoak---Aiken, S. C.
Francis Hartley Spears---Jonesville, S. C.
Julian Elwood Spedden, Jr.---Winston-Salem, N. C.
James Wilson Spencer---Mayesville, S. C.
Robert Louis Stanton---St. Joseph, Mich.
LeRoy Constantine Still, Jr.---Blackville, S. C.
John Thomas Stone---Greenwood, S. C.
Thomas Henry Symmes, Jr.---St. Matthews, S. C.
Richard Bennett Todd---Hendersonville, N. C.
Wilbur Raymond Tuten, Jr.---Fairfax, S. C.
William Littledale Wadsworth---Hawthorn, Fla.
Walter Price Wagoner---Salisbury, N. C.
Eugene Augustus Watts---Union, S. C.
William Stevenson Weston, Jr.---Columbia, S. C.
Richard George White---Rock Hill, S. C.
William Garner White---York, S. C.
James Martin Whitmire, Jr.---Greenville, S. C.
Albert Cropper Williams---Delmar, Del.
West Allen Williams, Jr.---Greenwood, S. C.
Lemuel David Wyly, Jr.---Seneca, S. C.

Junior Class

Joe Barber Adams---Camilla, Ga.
Samuel Pickens Anderson---Charleston, S. C.
Caldwell Alexander Barron---Rock Hill, S. C.
David Garrett Barry ---Evanston, Ill.
Samuel Marshall Beattie, Jr.---Greenville, S. C.
John Robert Bennett, Jr.---Rocky Mount, N. C.
Robert Fuller Bethea, Jr.---Macon, Ga.
James Edward Black---Beaufort, S. C.
Byrum James Blackwell, Jr.---Bishopville, S. C.
William Lester Blackwell, Jr.---Canton, Ga.
Leonard John Bliss, Jr.---Greensboro, N. C.
John Keller Brandenburg, Jr.---St. Matthews, S. C.
Jackson Wilbur Burnett, Jr.---Greenville, S. C.
Jack Towler Burney---Swainsboro, Ga.
James Reynolds Carey---Charleston, S. C.
Harold Bradford Chandler, Jr.---Augusta, Ga.
Fred DeMass Clarke, Jr.---Anniston, Ala.
James David Cobb---Spartanburg, S. C.
Eugene Park Cofield, Jr.---Anderson, S. C.
William Cecil Crawford---Dallas, Tex.
Anley McRae Crouch, Jr---Wilmington, N. C.
Graham Culler---Wolfton, S. C.
David Samuel Daley---No. Augusta, S. C.
William Stuart Davies---Barnwell, S. C.
Weldon Williamson Doe, Jr.---Montgomery, Ala.
John Thompson Douglas---Columbia, S. C.
John DeWitt Duskin, Jr.---Columbus, Ga.
James Mason Edmunds---York, S. C.
Augustine Dean Edwards, Jr.---Jacksonville, Ala.

Charles Graham Edwards---Wilmington, N. C.
Jerome Charles Eichholz---Leesburg, Fla.
Alfred Gaillard Ellison, Jr.---Lancaster, S. C.
Haywood Renich Faison, Jr.---Washington, D. C.
Constantine Anton Ferris---Orangeburg, S. C.
Daniel Flud Fishburne---Charleston, S. C.
Charles Ogilvie Fortson---Augusta, Ga.
George Hamilton Franklin---Millen, Ga.
Donald Sanders Fraser---Spartanburg, S. C.
Hoyt Leslie Fulmer, Jr.---Florence, S. C.
Clough Farrar Gee, Jr.---Madison Barracks, N. Y.
Jack Philip Geise---Clinton, S. C.
William Bentley Gibson---Sumter, S. C.
Charles Mix Gilbert---Florence, S. C.
Robert Miles Gill---Charlotte, N. C.
Jack Emelius Gilleland---Abbeville, S. C.
William Bryan Gillespie, Jr.---Effingham, S. C.
Harvey Wilson Goolsby, Jr.---Laurens, S. C.
William Calder Graham, Jr.---Richmond, Va.
Samuel Stone Gregory, Jr.---Java, Va.
Richard Holt Grimshawe---Brevard, N. C.
Edward Hunt Gunderson---Perth Amboy, N. J.
Ernest Scott Haile, 2d---Havana, Cuba
Julius French Haley---Greenville, S. C.
Natt Augustus Hall---Asheville, N. C.
Scott Wilson Hall---Hopkinsville, Ky.
George Pierce Hammett, Jr.---Anderson, S. C.
Herbert Kent Harris---Ensley, Ala.
John Douglas Harrison, Jr.---Greenwood, S. C.
Rodger Winters Harshbarger---St. Albans, W. Va.
Paul Godfrey Hass---Charleston, S. C.
Hugh Howard Henderson---Columbia, S. C.
William Herman Henderson, Jr.---Wilmington, N. C.
Donald Judson Hockenbury---Hillside, N. J.
William Knox Holt---Spartanburg, S. C.
Alphonso Avery Howell, Jr.---Lumberton, N. C.
Joseph Herman Hughes, Jr.---Monticello, Fla.
Conrad McTeer Hundert-Mark---Yemassee, S. C.
William Marks Hutson---Augusta, Ga.
Charles Austin Jackson---Hartsville, S. C.
James Wiggins Jenkins, Jr.---Henderson, N. C.
Paul Erwin Johnson---New York, N. Y.
Robert Joseph Jones---Charlotte, N. C.
James William Keene---Pensacola, Fla.
Thomas Augustine Kenan---Atlanta, Ga.
Austin John Kennedy, Jr.---Charleston, S. C.
William George Kitchell---Garden City, N. Y.
Richard Brady Knapp---Charlotte, N. C.
George Karl Kologiski---Charlotte, N. C.
George Rhea Land, Jr.---Greenville, S. C.
James Colson Latham---Moultrie, Ga.
Asbury Francis Lever, Jr.---Columbia, S. C.
William Alfred Livingston, Jr.---Orangeburg, S. C.
William Joshua Logan---Rock Hill, S. C.
Hamilton Lott---Columbia, S. C.

James Samuel Lyell, Jr.---Wilmington, N. C.
William Crews Lyles---Spartanburg, S. C.
John Register Lyons---Savannah, Ga.
James Lee McBride---Florence, S. C.
William Yates McCachern---Concord, N. C.
Claude Lorraine McDill, Jr.---Charleston, S. C.
David Bee McFadden, Jr.---Rock Hill, S. C.
Jere Norfleet McKeithen---Aberdeen, N. C.
John Nicholas Mager---Pittsburgh, Pa.
William Osborne Maxwell---Columbia, S. C.
James Benjamin Mayo, Jr.---Greenville, S. C.
James Franklin Mears---Varnville, S. C.
Charles Orrin Milford, Jr.---Greenville, S. C.
Lindsay Baker Milikin---Jesup, Ga.
John Robert Millar, Jr.---Marietta, Ga.
John Butler Milling---Greenwood, S. C.
John Robert Millon---San Pedro, Calif.
James Bernice Moore---Andrews, S. C.
John Bunyan Morris, Jr.---St. Matthews, S. C.
William Thomas Moss---Rock Hill, S. C.
George Franklin Moznette, Jr.---Albany, Ga.
William Milton Murphy, 3rd---Orlando, Fla.
Russell Evans Murray---Fort Valley, Ga.
John Alexander Neely, 3d---Anderson, S. C.
Edwin Karl Newman---Columbia, S. C.
Aimar Padgett---Ruffin, S. C.
Jack Pershing Padgett---Johns Island, S. C.
Walter Alfred Palmer---Waycross, Ga.
Edward Bell Patrick---Charleston, S. C.
Herbert Lee Patrick, Jr.---Chester, S. C.
Perry Frank Patton, Jr.---Sumter, S. C.
David Greenewald Peck---Spartanburg, S. C.
Emory Bush Peebles, Jr.---Mobile, Ala.
Clarence Lee Peeler, Jr.---Doraville, Ga.
Lewis Wardlaw Perrin, Jr.---Spartanburg, S. C.
Ernest Ferdinand Peschau, Jr.---Raleigh, N. C.
Hugh Owens Peurifoy---Walterboro, S. C.
Kenneth Eugene Powers---Meggett, S. C.
Robert Richardson Pregnall, Jr.---Charleston, S. C.
Julian Caldwell Propst---Sumter, S. C.
Charles Joe Purcell---Newberry, S. C.
William Robert Rainey---Sharon, S. C.
Louis Howard Ressijac---Mobile, Ala.
Robert Lowry Rhame---Camden, S. C.
Daniel E. Ridgell---Jacksonville, Fla.
Hugh Skelding Rogers, Jr.---Coral Gables, Fla.
Andrew Alex Sabados---Aurora, Ill.
Jack Scruggs, Jr.---McCormick, S. C.
John Corwin Shaw, Jr.---Ft. Francis E. Warren, Wyo.
Cecil Woodrow Shuler---Elloree, S. C.
John Lewis Simmons---Asheville, N. C.
Edgar Brian Sindler---Bishopville, S. C.
Herman Lamar Singletary---Lake City, S. C.
Edward Field Smith---Batesburg, S. C.
Henry Gilbert Smith---Cleveland, Tenn.

Wilbur Frasier Smith, Jr.---Orangeburg, S. C.
William Wade Smith---Kinards, S. C.
Lawrence Geddings Southard---Spartanburg, S. C.
Charles Henry Soutter, Jr.---Oak Park, Ill.
Charles Lewis Spann---Bamberg, S. C.
Edward Louis Stelling, Jr.---Augusta, Ga.
Emanuel Ignace Sterghos---Greenwood, S. C.
Joseph Koger Still---Blackville, S. C.
Samuel Carl Stimson---Winston-Salem, N. C.
Carl Louis Suhrstedt---Charleston, S. C.
James Henry Thomson---Charleston, S. C.
Thomas Jackson Thorne, Jr.---Charleston, S. C.
Francis Eugene Tiller---Aiken, S. C.
Stonewall Jackson Ulmer, Jr.---Walterboro, S. C.
John Colin MacRae Vann, Jr.---Monroe, N. C.
Frank Leslie Vernon---Wellford, S. C.
Harry Hammond Walker, Jr.---Edgefield, S. C.
John Braxton Wallace---Greenwood, S. C.
Mack GoodKnight Walters---Simpsonville, Ky.
Christian Tucker Weston, Jr.---Hopkins, S. C.
Hollis Alexander Whitten, Jr.---Easley, S. C.
Harry Marion Williams---Chester, S. C.
James Gordon Williams---Newnan, Ga.
Harvey Edgar Wilson---Charlotte, N. C.
John McLean Wilson---Darlington, S. C.

Sophomore Class

Edwin Murchison Adams---Clio, S. C.
Neill Herbert Alford---Greenville, S. C.
Carl Morrison Allen, Jr.---Atlanta, Ga.
Henry Liles Allen---Wadesboro, N. C.
John Hord Allen, 2d---Edgefield, S. C.
William Anderson Allen, Jr.---Kinston,N. C.
Herbert King Anderson---Indian Head, Md.
John Daniel Anderson---Smyrna, Ga.
Fred Geissler Ashhurst---Aiken, S. C.
Franklin Askew---Kansas City, Kan.
David Carlisle Augustine, Jr.---Charleston, S. C.
Richard Lofton Bagnal---Winston-Salem, N. C.
Henry Connor Barkley---Gastonia, N. C.
William Robert Barrett, Jr.---Florence, S. C.
William Gordon Baskin---Charleston, S. C.
James Douthit Beacham, Jr.---Greenville, S. C.
Thomas Valentine Beard---Moultrie, Ga.
Lawrence Wesley Beaty, Jr.---Charlotte, N. C.
Robert Lewis Bedle, Jr.---Red Bank, N. J.
Charles Forsyth Henry Begg---Charlotte, N. C.
John David Bennett---Meggetts, S. C.
Earl Bennette Benson---Marietta, Ga.
Harold Andrew Benson---Marietta, Ga.
Hugh Woodrow Benson---Charleston, S. C.
Oren Amos Biggers---Filbert, S. C.
Oscar Charles Blanchard, Jr.---Wallace, N. C.
Robert Lawson Boozer---Newberry, S. C.
John William Bradley---McCormick, S. C.

Pratt Hunter Branch---Ocala, Fla.
Walter Bethune Brandon---Leland, Mich.
Basil Turner Brinkley---Ellenton, S. C.
Charles Bivens Britt---Greenville, S. C.
Alton Lester Broadwater, Jr.---Charleston, S. C.
Engle Redic Brooks, Jr.---Charleston, S. C.
Charles Alton Brown---Greensboro, N. C.
Edward Finley Brown---Anderson, S. C.
Leslie Tolar Bryan, Jr.---Orlando, Fla.
Alton Houston Bryant---Orangeburg, S. C.
Hyland Morris Bryant---Schenectady, N. Y.
John Buday---Clairton, Pa.
Robert Emerson Bunch---Columbia, S. C.
X. O. Bunch, Jr.---Holly Hill, S. C.
Wylie Evan Burnett---Greenville, S. C.
John Edward Burrows---Muskegon, Mich
Edward Kendall Butler, Jr.---Columbia, S. C.
Thomas James Callaway, Jr.---LaGrange, Ga.
William Arthur Campbell, Jr.---Sheldon, S. C.
Thomas Henry Carey---Charleston, S. C.
Cyrus Franklin Carter, Jr.---Fairforest, S. C.
Edward Perry Cave, Jr---Columbia, S. C.
Brue Stanhope Chandler---Augusta, Ga.
Francis Worthington Chapman---Greenwood, S. C.
Floyd Clemson Chitty---Hartsville, S. C.
John McPherson Clapp---Savannah, Ga.
Luther Broadus Clardy, Jr.---Greenville, S. C.
Joe Plowden Cole---Kingstree, S. C.
Julian Barrus Coleman---Kinston, N. C.
Francis Sylvester Conaty, Jr.---Fort Bragg, N. C.
Allison William Cooner---Batesburg, S. C.
Charles Herbert Cooper---Greenville, S. C.
Robert Anthony Cooper---Hendersonville, N. C.
Perrin Chiles Cothran---Greenwood, S. C.
Robert Wilson Cowden---Mobile, Ala.
Richard Lamar Crawford, Jr.---Mobile, Ala.
Carroll Marion Crouch---Columbia, S. C.
Horace Ellis Crouch---Columbia, S. C.
Peter Franklin Cureton, Jr.---Greenville, S. C.
Robert George David---Jacksonville, Fla.
Hal Gibson Davis---Orlando, Fla.
Joe Carl Davis---Clinchfield, Ga.
Morton Emmons Davis---Greenwood, S. C.
Andrew DeAngelis ---Nesquehoning, Pa.
Joseph Jenkins Delfino---Providence, R. I.
Robert Fraser DesChamps, Jr.---Columbia, S. C.
William Charles Diffenderfer---Pensacola, Fla.
Marion Harwood Dodson---Mobile, Ala
John Lewis Donnell---Greensboro, N. C.
Francis Douglas ---Charleston, S. C.
Charles Manly Drummond, Jr.---Spartanburg, S. C.
Edgar Lee Duke, Jr.---Fort Valley, Ga.
Lynwood Oliver Duncan---Rock Hill, S. C.
Eugene Gary Eason---Charleston, S. C.
Henry Brown Efird---Albemarle, N. C.

Walter Guy Efird, Jr.---Albemarle, N. C.
Luther Edwin Eleazer---Chapin, S. C.
William Haselden Ellerbe---Bennettsville, S. C.
Arthur Graham Elliott---Washington, N. C.
Robert Allen Elliott, Jr.---Augusta, Ga.
Jack Conant Else---Roanoke, Va.
Robert Brown Epting---Newberry, S. C.
Linwood Spencer Evans---Sumter, S. C.
Murray Gibbes Fant---Lockhart, S. C.
John Ferris---Ithaca, N. Y.
Lonie Clarence Floyd, Jr.---Olanta, S. C.
William Atwater Fox, Jr.---Brunswick, Ga.
Robert Frank Freeman---Greenville, S. C.
Burly Alexander Fretwell---Spartanburg, S. C.
Jack Robert Gadsby ---Memphis, Tenn.
Robert E. Beasley Gamble---New Zion, S. C.
Thomas Ashton Gandy, Jr.---Society Hill, S. C.
Norvin Wile Garrett---Ahoskie, N. C.
William Harold Gayden, Jr.---Columbia, S. C.
Thomas Alvin Gibson, Jr.---Augusta, Ga.
Nathaniel Banks Glover---Newnan, Ga.
Wilson Glover ---Greenville, S. C.
Henry Francis Gobel---Charleston, S. C.
James Hamilton Goethe---Varnville, S. C.
Clyde Duff Goforth, Jr.---Charlotte, N. C.
Walter Clinton Goodpasture, Jr.---Atlanta, Ga.
John Durham Gorham, Jr.---Washington, N. C.
Cecil Eugene Graybill, Jr.---Columbia, S. C.
William Gribble ---Charlotte, N. C.
Carl Lee Gullick, Jr.---Greenville, S. C.
Perry Earle Gwinn, Jr.---RFD No. 5, Camp Road, S. C.
Samuel Eliflet Ham---Florence, S. C.
Dan Hamm ---Prosperity, S. C.
Earle Anthony Hamrick, Jr.---Shelby, N. C.
William Young Hannum---Eustis, Fla.
Francis Eugene Harrison---Troy, S. C.
Augustus Griffin Hart, Jr.---Greenville, S. C.
Charles Edwin Harton---Charlotte, N. C.
George Wright Herbertson---Jacksonville, Fla.
Edwin Fletcher Herrington---Munnerlyn, Ga.
Osborn Barnwell Heyward---Charleston, S. C.
George Walton Hightower---Tigerville, S. C.
Alfred Lewellyn Hobgood, Jr.---Kinston, N. C.
Robert Lacy Hobgood---Kinston, N. C.
Roland Graham Hodges---Kinston, N. C.
William Claude Hollifield---Bamberg, S. C.
Herman Holloman Huggins, Jr.---Pomaria, S. C.
Hill Gilbert Hughes---Monticello, Fla.
Thomas Frank Huguenin---Greenville, S. C.
Clyde Conyers Hunter, Jr.---Orlando, Fla.
Walter George Hutchison---Columbia, S. C.
Horace Greely Ilderton---High Point, N. C.
Benjamin Wall Ingram, Jr.---Florence, S. C.
McDaniel Bush Jackson---Charlotte, N. C.
Alexander Charles Johnson---Tampa, Fla.

Frank Arthur Jones---Greenville, S. C.
Frederick McAuley Jones---Columbus, Kan.
Ira Boyd Jones, 3d---Lancaster, S. C.
Noble Raymond Kean---Evanston, Ill.
Harold Cameron Keith---Raeford, N. C.
Milburn Croft Keith---Hopkinsville, Ky.
James Aleck Kelley---Kingstree, S. C.
James Bain Kendrick---Albemarle, N. C.
George Legare Kerrison---Charleston, S. C.
Ralph Charles Kindelberger---East Orange, N. J.
William Lindsay Koob, Jr.---New York, N. Y.
Pugh Elliott Kyle---Atlanta, Ga.
Paul Michinard Lagarde---New Orleans, La.
James Stuart Land, Jr.---Columbia, S. C.
Jeptha Love Larkin---Pensacola, Fla.
Rodney Guy Latham, Jr.---Washington, N. C.
Philip James Lawrence---Charleston, S. C.
William Coke Lawrence---Sumter, S. C.
John Walter LeCraw, Jr.---Atlanta, Ga.
John Thomas Leonard, Jr.---Charleston, S. C.
Bernard Lewis Levy---Atlanta, Ga.
Ernest Clarence Lineberger---Charleston, S. C.
Henry Whilden Lockwood, Jr.---Charleston, S. C.
Langdon Dwight Long---Laurens, S. C.
Edward Kimball Louden---Greensburg, Pa.
Jack Dempsey Love---Charlotte, N. C.
James Morris Lyles, Jr.---Winnsboro, S. C.
Edward Earl McBride, Jr.---Somerset, Ky.
Audley Hill McCain---McCormick, S. C.
Joel Virgil McCall, Jr.---Jennings, Fla.
Donald Bruce McClellan---St. Paul, Minn.
William Darwin McConnell---Greenwood, S. C.
John Allen McCrary---Stuart, Fla.
Dewitte Hamer McIntyre---Clio, S. C.
Wade Hampton McIntyre, Jr.---Bennettsville, S. C.
John Ward McKenzie---Dillon, S. C.
Jack Hugh McLaurin---Dillon, S. C.
Hinkle McLendon, Jr.---Monroe, N. C.
Edward Tate McMillan, Jr.---Mullins, S. C.
Hugh Angus Macaulay---Waynesboro, Ga.
Arthur Eugene Mallory, Jr.---LaGrange, Ga.
James Harrison Mangan---Pittsburgh, Pa.
Alfred Cleo Mann, Jr.---Greenville, S. C.
Charles Truitt Martin---Shellman, Ga.
Thomas Hutson Martin, Jr.---Charleston, S. C.
Robert Marye---Camden, S. C.
John Bernard Mayes---Newberry, S. C.
Ernest Lee Meggs---Mullins, S. C.
Edward Herman Meiser---Stockton, Md.
Tom Harvey Miley---Oklahoma City, Okla.
Americus Columbus Mitchell, Jr.---Eufaula, Ala.
Courtney Mitchell, Jr.---Kinston, N. C.
Garland McGregor Mitchell---Anderson, S. C.
Joseph Hascal Mitchell---Glasgow, Ky.
Harold Moise, Jr.---Sumter, S. C.

John Isaac Moore, 3rd—Helena, Ark.
Samuel Whiteford Moore, Jr.—Baltimore, Md.
Ivan Dickerson Morgan, 3d—Orlando, Fla.
John Fripp Morrall, Jr.—Beaufort, S. C.
Marion Richard Motley—Lake City, S. C.
William Henry Muller, Jr.—Dillon, S. C.
Henry Schultz Munzenmaier—Charleston, S. C.
Clarence Dee Nabers—Durham, N. C.
Frank Wright Neal, Jr.—Augusta, Ga.
Donald Wallace Nesbit, Jr.—Charleston, S. C.
Harrison Scott Nesbit—Charleston, S. C.
Louie Edward Nesmith—Lake City, S. C.
David Leland Norris, Jr.—Greenville, S. C.
Rufus Alexander Oliphant, Jr.—Chester, S. C.
Richard Bartlett Olney—Charleston, S. C.
Julius Elliott O'Neal—Fairfax, S. C.
Clarence William Owens, Jr.—Cumberland, Md.
Marion Arendell Parrott—Kinston, N. C.
William Lewis Paullin, Jr.—Pelham, Ga.
Thomas Eugene Pedersen—Charleston, S. C.
Elric Simons Pinckney—Charleston, S. C.
Thomas Marion Pinckney—Edisto Island, S. C.
Douglas Randolph Plowden, Jr.—Sumter, S. C.
John Gabriel Plowden—Summerton, S. C.
William Coskrey Plowden—New Zion, S. C.
Daniel Sheppard Pregnall—Charleston, S. C.
Frank Keith Prevost, Jr—Anderson, S. C.
Walter Pringle, 3d—Charleston, S. C.
John Henry Pritchett, Jr.—Bremen, Ga.
Louie Landecker Propst—Lake City, S. C.
Clarence Ernest Raybourne—Charleston, S. C.
Joseph Irving Reznick—Winston-Salem, N. C.
Herman Reed Rice—Lancaster, S. C.
Thomas Green Ritch, Jr.—Jesup, Ga.
Eugene Edgar Roberts, Jr.—Charleston, S. C.
Stanley Ross Roberts—Cerulean, Ky.
Claude Saleeby—Dillon, S. C.
Dudley Saleeby—Dillon, S. C.
Frederick Mewborne Schiffley—Orangeburg, S. C.
William Birnnie Scruggs, Jr.—Greenville, S. C.
Felix Clabourne Sharp, Jr.—Jacksonville, Fla.
Harry Tillman Shuler—Portland, Ore.
George Washington Freeman Singleton—Selma, Ala.
Charles Hamilton Smith, 3d—Albany, Ga.
Lewis Blake Smyth—Hendersonville, N. C.
William Joseph Spain —Raleigh, N. C.
Wiley Gudger Stanford—Winston-Salem, N. C.
John Calvin Stewart—Woodward, S. C.
David Leroy Stone—Waynesboro, Ga.
Maurice Merton Stone—Raleigh, N. C.
Walter Scott Strong—Indianapolis, Ind.
Dan Hamer Stubbs, Jr.—Lenoir, N. C.
Hubert Demro Sumner—Gastonia, N. C.
Rockney Southerland Swinson—Bamberg, S. C.
Lennon Ayrs Tatum, Jr.—Belmont, N. C.

George Orson Taylor---Robertsdale, Ala.
William Duncan Taylor---Franklin, Ky.
Frank Shortley Teasley---Alpharetta, Ga.
Niemann Augustus Terry---Charleston, S. C.
Charles Randolph Thomas---Norfolk, Va.
James Goodlett Thornton, Jr.---Wilmington, N. C.
Ralph Chalmers Tolar---Sanford, Fla.
George Anderson Townes, Jr.---Aiken, S. C.
Henry Price Tucker---Winston-Salem, N. C.
Winston Turbiville---Matthews, N. C.
Harry Lane Tuten---Fairfax, S. C.
George Donnely Tyler---Orangeburg, S. C.
Robert Carroll Ulmer---Waycross, Ga.
David Vann---Monroe, N. C.
Grayson Spencer Waldrop---New Bern, N. C.
William Sterling Wall---Florence, S. C.
Howard Thompson Walpole---New Holland, Ga.
George Duff Watkins---Glasgow, Ky.
Richard Furman Watson---Greenville, S. C.
Wade Allen Watson, Jr.---Americus, Ga.
Shelton James West---Camden, S. C.
James Lariston White---Awendaw, S. C.
Lucian Hamilton Whitehead, Jr.---Charlotte, N. C.
Charles Goodwin Whitmire---Greenville, S. C.
Eldon Gaynor Wiggins---Orlando, Fla.
James Reed Wiley---Ocala, Fla.
Clarence Schirmer Willard---Spartanburg, S. C.
Warren Jackson Williamson---Pine Apple, Fla.
Robert Allen Willis, Jr.---Greenwood, Fla.
John Snowden Wilson---Sumter, S. C.
William Everett Wilson---Asheville, N. C.
James Wilson Wimberly---Waynesboro, Ga.
James Lowell Wolfe---Lyons, Kan.
Milton Henry Woodside---Charlotte, N. C.
Alexander McAlister Worth, Jr.---Durham, N. C.
John Fred Yelton---Hendersonville, N. C.
Joseph Wilbur Yonce, Jr.---Johnston, S. C.
Robert Meriwether Young---Macon, Ga.
Thomas Posey Young, Jr.---Duncan, S. C.
Eugene Scherer Zobel---Charleston, S. C.
Stanley George Zynda---Cleveland, Ohio

Freshman Class

Joel Richard Abney, Jr.---Greenwood, S. C.
James Robert Adams---Greenville, S. C.
Charles Lupfer Albert, Jr.---Wilkes-Barre, Pa.
James Thurmond Albritton---Mayfield, Ky.
Carroll Woolsley Allen---New Orleans, La.
Mack John Allison---Brevard, N. C.
Harvey Henderson Anderson---Columbia, S. C.
James Crawford Anderson---Pacolet, S. C.
Lang Weathersbee Anderson, Jr.---Wilmington, Del.
Joseph Andrews---Washington, D. C.
Henry Anner, Jr.---Jacksonville, Fla.
DeWitt Clinton Armstrong, 3d---Arlington, Va.

Horace Arnette—Dillon, S. C.
Ralph Leonidas Axson, Jr.—St. Matthews, S. C.
William Horace Babcock—Fanwood, N. J.
William Wilkins Baker, Jr.—Estill, S. C.
Frank Clifton Ball—Chattanooga, Tenn.
Henry Davis Barnett, Jr.—Sumter, S. C.
William Habersham Barnwell—Whitmire, S. C.
James Roy Barron, Jr.—Rock Hill, S. C.
Thomas Foster Bartlett—Oklahoma City, Okla.
Herbert Bass—North, S. C.
George Lucien Bates—Mobile, Ala.
William Wannamaker Bates—Camden, S. C.
Robert Parks Baynard—Charlotte, N. C.
William Perry Beckham, Jr.—Heath Springs, S. C.
John Mac Bell, Jr.—Mobile, Ala.
Thomas Jefferson Bell—Conway, S. C.
William States Belser—Sumter, S. C.
Lewis John Berniard—Baytown, Tex.
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Samuel Orr Black, Jr.—Spartanburg, S. C.
Reuben Golding Blackburn—Marion, S. C.
Leon McFadden Blanding—Sumter, S. C.
Charles Edwin Bloom, 3d—Columbia, S. C.
Morris Solomon Blum—Dillon, S. C.
Charles Ralph Bobo, Jr.—Gray Court, S. C.
Thomas McCullough Boulware, 4th—Barnwell, S. C.
John Atwood Bowden, Jr.—Burlington, N. C.
Sylvanus Haile Bowen, Jr.—Greenville, S. C.
Jarl Ellis Bowers—Washington, N. C.
Cecil James Bowling, Jr.—Mobile, Ala.
Martin Evans Boyer, 3d—Charlotte, N. C.
Charles William Brice, Jr.—Chester, S. C.
Buck Brinson—Millen, Ga.
Herman Brown, Jr.—Blackville, S. C.
Kedar Bryan Brown—Wilmington, N. C.
Elmer William Browning—Humboldt, Tenn.
Paul Browning, Jr.—Greenville, S. C.
Perry Killian Bryant—Fort Payne, Ala.
Vincent Anthony Buono—Hackensack, N. J.
Edward Baskin Butler—Mobile, Ala.
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Wah Choy Ching—Honolulu, T. H.
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Joseph Thomas Clark—Springfield, S. C.
Jack Addison Claywell—Morganton, N. C.
Harold Clayton Clinge—Orangeburg, S. C.

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Walter Bingham Cochran, Jr.---Oswego, N. Y.
William Henderson Coffield---Edenton, N. C.
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Thomas Elton Collins---Bluffton, Ga.
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James Wiley Council---Weaverville, N. C.
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John Shipp Daniel---Mullins, S. C.
Howard Ellis Danner, Jr.---Beaufort, S. C.
John Duren Davenport---Landrum, S. C.
James Ludy Davenport---Laurens, S. C.
Moss Vernon Davis---Lake Worth, Fla.
Richard Fleming Davis---Asheville, N. C.
Tevis Lee Davis---Buffalo, S. C.
John Jean DeAngelis---Nesquehoning, Pa.
Edward Dennis Dobson---Greer, S. C.
John Ramsey Dodenhoff---Springfield, S. C.
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Howard Lane Gardner, Jr.---Palatka, Fla.
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William Hayes Oliver---Smithfield, N. C.
Robert Lovell Oliveros---Charleston, S. C.
Lewis Payne Orr---Washington, N. C.
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Randolph Kendrick Owen---Dillon, S. C.
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Cordes Prioleau Palmer---Sumter, S. C.
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John Murr Rhame---Camden, S. C.
Samuel Albert Rhyne, Jr.---Statesville, N. C.
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Irving Rosenberg---Brooklyn, N. Y.
Malcolm Andrew Rousseau---Myrtle Beach, S. C.
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Harry Hampton Salley---Springfield, S. C.
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Jerome Chris Serros---Orlando, Fla.
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Warren Smyly Smith---Williams, S. C.
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Horace Lee Tilghman, Jr.---Marion, S. C.
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Robert Francis Touhey, Jr.---Charleston, S. C.
Joe Nathaniel Tucker Jr,---Winston-Salem, N. C.
Ernest Alexander Tunnell---Ossining, N. Y.
George Eugene Tuttle---Tawas City, Mich.
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Archie Elmer Van Ness, Jr.---Whippany, N. J.
William Warder Vaughan---Glasgow, Ky.
Arthur Verenes ---Aiken, S. C.
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English Hopkins Weston---Hopkins, S. C.
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Clarence Lamborn Wickersham---Washington, Ga.
Erskine Brewster Wickersham---Washington, Ga.
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William Ewing Williams---Rock Hill, S. C.

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Charles Henry Wood----------Edenton, N. C.
Richard Lee Woodcock----------Charlotte, N. C.
James Henry Wooten----------Myrtle Beach, S. C.
Jack Blease Workman----------Newberry, S. C.
James Harper Worrill, Jr.----------Leesburg, Fla.
Kenneth Martin Worthy----------Columbus, Ga.
Matthew David Yandle, Jr.----------Charlotte, N. C.
Charles Clarence Young, Jr.----------Chester, S. C.
James Isaac Young----------Duncan, S. C.
Max Paul Young----------Valdosta, Ga.

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Louisiana	2
Maryland	6
Massachusetts	2
Michigan	7
Minnesota	1
Missouri	1
New Jersey	8
New York	20
North Carolina	165
Ohio	4
Oklahoma	2
Oregon	1
Pennsylvania	16
Rhode Island	1
Tennessee	7
Texas	3
Utah	1
Virginia	6
West Virginia	2
Wisconsin	1
Wyoming	1
Cuba	1
Territory of Hawaii	1
	486
South Carolina	504
	990

DEGREES CONFERRED
May 29, 1937

Bachelor of Arts

John Wesley Anderson, Jr.---Rock Hill, S. C.
Paul Frederick Byther---Roslindale, Mass.
Charles Hilton Connelly---North, S. C.
Wallace Darlington Connor, Jr.---Brunson, S. C.
Thaddeus Carlyle Dukes---Harleyville, S. C.
Melvin Charles Helfers---Addison, Ill.
Albert Law James, Jr.---Darlington, S. C.
John Sheppard Jones, Jr.---Ridge Springs, S. C.
Henry Dudley McGhee---Greenwood, S. C.
Richard Irving Manning---Sumter, S. C.
Nathaniel Graves Sims---Charlotte, N. C.
Van Cleve Parrott Warren---Sumter, S. C.
John Herman Diedrich Wigger---Charleston, S. C.

Bachelor of Science

Rupert McGill Allen---Conway, S. C.
Charles Spencer Atkinson---Timmonsville, S. C.
Frederick Aurbach---Idabel, Okla.
James Alfred Battle---Nichols, S. C.
William Oliver Benton, Jr.---Charleston, S. C.
Clarence Ervin Black, Jr.---Bamberg, S. C.
Robert Jacob Black---Ruffin, S. C.
Mark Toney Boatwright---Johnston, S. C.
George Gilbert Branson---Rock Hill, S. C.
Richard Van Bray, Jr.---Beaufort, S. C.
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William Edward Bryan---Allendale, S. C.
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Grady Cannon Corley---Augusta, Ga.
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James Carlos Fendley---Salem, S. C.
Henry Nimrod Folk, Jr.---Bamberg, S. C.
George Hamel Hair---Blackville, S. C.
Edward Brandon Hall---St. Pauls, N. C.
James Kearse Hall---Blackville, S. C.
John Ellison Hart---Holly Hill, S. C.
Gary Howard Harvey---Holly Hill, S. C.
Chester Elbert Hatch, Jr.---Greenville, S. C.
Thomas Walker Huey, Jr.---Rock Hill, S. C.
Mack Carter Jay, Jr.---Greenville, S. C.

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Augustus Nicholas Joyner---Windsor, S. C.
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Alexander Hume Lucas, Jr.---McClellanville, S. C.
Luther Martin McBee---Greenville, S. C.
Dean Augustus McCown---Anderson, S. C.
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Teal Therrell---Bennettsville, S. C.
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John Will Walker---Nitro, W. Va.
Charles Esmer Ward---Marietta, Ga.
William Jones Williams---Orangeburg, S. C.
Henry John Winn, Jr.---Greenville, S. C.

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